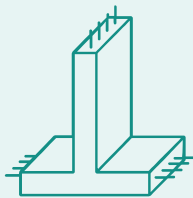


PRODUCT PORTFOLIO



Joint sealing systems



Injection Systems



Hydrophobising



Soil Stabilization



Sealing Membrane



Coatings



Mortar Systems



Thermal Insulation



and more

Welcome to MCM Construction Products

This is our new catalogue. Herein you will find the biggest selection of innovative products, ideas and services for building, waterproofing, thermal insulation and more.

As a manufacturer and multi-national distribution company, we are able to offer the biggest possible choices of suitable products.

Our team of experts are able to produce materials and systems tailored to your requirements. We can manufacture either economical or custom-made solutions.

Our employees offer comprehensive support around material choice, application technology and customer service. Please contact us, we will be happy to assist you.

Benefit from decades of experience - choose the perfect material for your project! MCM Construction Materials - Always one step ahead!

MCM Construction Materials is the registered trademark of **Mirava LLC** International Trade and Business Development company.

MCM | Construction
Products

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by **mirava**

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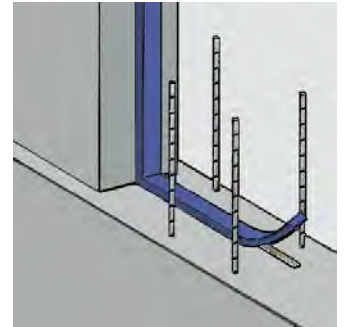
JOINT SEALING SYSTEMS

Swelling Tape

Swelling Tapes – swellable joint sealings

made for waterproofing of

- ▶ construction and dilatation joints
- ▶ precast elements, tubbings and pipe collars
- ▶ cable and pipe feedthroughs



AquaTape - soft and elastic, easy to apply

Swelling tapes for working joint sealing made of water swellable rubber.

Application:	Properties:	Dimensions	Carton a
Construction joints	Rectangular profile	18 x 8 mm	60 m
Precast elements	Density: 0,95 - 1,15 gr/ml	20 x 5 mm	108 m
Tubbings	Tensile strength: 0,45 N/mm ²	20 x 10 mm	54 m
Pipe collars	Compression hardness: 0,85 N/mm ²	20 x 15 mm	36 m
Cable feed through	Reversible: Yes	20 x 20 mm	27 m
Pipe feed through	Swellable in salt-water: Yes	25 x 20 mm	21
Working joints	Swellability: Limited at 200%	ø 8 mm	
		ø 8 mm	
		ø 8 mm	

Application accessories: HydroKoll Glue 630, AquaSeal 555

BentoNex - the classic swelling tape made of modified natrium bentonite

Swelling tapes for working joint sealing made of water swellable rubber.

Application:	Properties:	Dimension	Carton a
Construction joint	Reversible: Yes	20 x 10 mm	54 m
Precast segments	Swellable in salt-water: No	20 X 15 mm	30 m
Tubbings		20 x 20 mm	21 m
Pipe collars			
Cable feed through			
Pipe feed through			
Working Joints			

Application accessories: HydroKoll Glue 630, AquaSeal 555

Swelling Tape

Mounting accessories for swelling rubber tapes

HydroKoll 630 Glue

Assembly of AquaTape swelling rubber on all typical undergrounds

Application:

Installation of AquaTape swelling tapes on smooth undergrounds.

Properties:

Mixing ratio: Ready for use
Consistency: pasty
Adhesion on wet concrete: excellent
Quick hardening
Levels small underground unevenness

Packaging

Cartridge a 310 ml
12 cartridges / carton

AquaSeal 555 swelling paste - Swellable glue and "swelling tape in the cartridge"

Highly elastic water swellable sealing material. The swelling tape in the cartridge.

Application:

Building element lead trough
Joint sealing
Glue and levelling paste for AquaTape swelling tapes
Especially designed for rough surfaces

Properties:

Mixing ratio: Ready for use
Mixing ratio: Ready for use
Consistency: pasty
Adhesion: Mat clammy concrete and a lot of other surfaces.
Setting time 5 mm string: 24 h (20°C / 60% relative humidity)
Density: 1,17 g/ml
Swellability: > 100%

Packaging

Cartridge a 310 ml
12 cartridges / carton

Mounting accessories for bentonite swelling tapes

BentoKoll Glue 505

Assembly of BentoNex swelling tape on all typical undergrounds

Application:

Assembly of BentoNex swelling tapes on even surfaces.

Properties:

Mixing ratio: Ready for use
Consistency: Paste-like
Adhesion on mat clammy concrete: Yes
Sets fast
Adjusts light roughness of surfaces.

Packaging

Cartridge a 310 ml
12 cartridges / Carton

BentoSeal 507 - sealing compound and swelling glue made of bentonite

Water swellable sealing paste for the easy and efficient application of BentoNex tapes

Application:

Building element lead trough
Joint sealing
Glue and levelling paste for BentoNex swelling tapes
Especially designed for rough surfaces

Properties:

Mixing ratio: Ready for use
Consistency: Paste-like
Adhesion: Concrete and a lot of other surfaces.
Setting time 5 mm string: 24 h (20°C / 60% relative humidity)
Swelling property: 100%

Package

Cartridge a 310 ml
12 Cartridges / Carton

Range of cartridge with a string of

- ø 6 mm approx. 8-10 m
- ø 8 mm approx. 4-5 m
- ø10 mm approx. 3 m
- ø15 mm approx. 2-2.5 m



Double safety!

AquaTape swelling tape glued with AquaSeal 555 swelling paste.
Avoids water creeping.

Membrane Sealing

Glued waterproofing

- ▶ reliable, pressurised waterproof sealing
- ▶ for wide cracks and gaps
- ▶ for grooves and floor- wall connections
- ▶ for construction and dilatation joint sealing

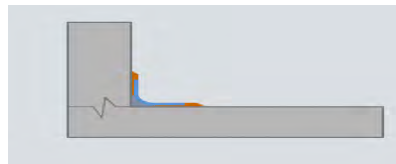


Membrane sealing systems

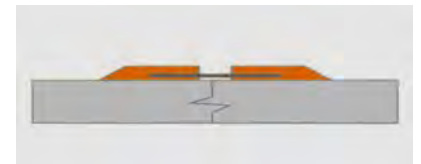
Membranes made of elastomeric films and matched adhesive systems. For indoor and outdoor use. For sealing of joints, gaps and cracks against pressurised and standing water. For new constructions and reconstruction.



Dilatation joint sealing



Groove sealing



Crack sealing

AquaFlex Dichtband 472 - made of EPDM. Advantage: self-adhesive connections

For construction joint sealing and wide cracks. Easy application through self-adhesive connections with polymer modified adhesive layer. Excellent adhesion even on wet concrete. Application <math><0^{\circ}\text{C}</math> with Rocryl!

Application:	Properties::	Dimensions	Roll length
Construction joints	Colour: black	10 cm wide	20 m
Construction elements	Thickness: 1,6 mm	20 cm wide	
Wide cracks	Non aging EPDM	25 cm wide	
	Breaking elongation: > 300%	33 cm wide	
	Water tight: up to 4 bar	50 cm wide	
	Self gluing tape to tape: Yes	100 cm wide	
	Adhesion on wet surface:		
	AquaFlex Glue 473		
	Bonding -10°C - 5°C: Rocryl Glue 519		

Mounting accessories: AquaFlex Glue 473, Rocryl Glue 519

Auxiliary materials: CemSeal 1063, for grooves and compensation of damages of the surface.

AquaFlex Dichtband 475 - made of EPDM. Advantage: self-adhesive connections

For construction joint sealing and wide cracks. Easy application through self-adhesive connections with polymer modified adhesive layer. Excellent adhesion even on wet concrete. Application <math><0^{\circ}\text{C}</math> with Rocryl!

Application:	Properties::	Dimensions	Roll length
Construction joints	Colour: grey	16 cm wide	25 m
Construction elements	Thickness: 1,5 mm	20 cm wide	
Wide cracks	Elongation at fracture: > 300%	25 cm wide	
	Water pressure resistance: 4 bar	33 cm wide	
	Water vapour diffusion no: 20.000 μ	50 cm wide	
	Root stable: Yes	105 cm wide	

Mounting accessories: AquaFlex Glue 1026, AquaFlex Welding flux 775 S

Auxiliary materials: CemSeal 1063, for grooves and compensation of damages of the surface.

Membrane Sealing

AquaFlex Dichtband 476 - made of EPDM

Waterproofing of wide cracks and working joints. Easy application, very flexible at low temperatures.
Application <0°C with Rocryl!

Application: Waterproofing of Construction joints Construction elements Wide cracks	Properties: Type A: Thickness 1,0 mm Type B: Thickness 1,2 mm Type C: Thickness 1,5 mm Type D: Thickness 2,0 mm Colour: black Elongation at rupture >400% Waterproof until 4 bar Bonding to -10°C: Rocryl Glue 519	Dimensions 10 cm wide 20 cm wide 15 cm wide 33 cm wide 50 cm wide 100 cm wide	Roll length 20 m
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Mounting accessories: AquaFlex Glue 473, Rocryl Glue 519
Auxiliary materials: CemSeal 1063, for grooves and surface repair.

Available AquaFlex Tapes

AquaFlex Membrane 472	Colour: black	Thickness: 1,6 mm	Self-adhesion. Easy connection of tape with tape.
AquaFlex Membrane 475	Colour: white / gray	Thickness: 1,5 mm	Very robust
AquaFlex Membrane 476	Colour: black	Thickness: 1,0 mm, Type A 1,2 mm, Type B 1,5 mm, Type C 2,0 mm, Type D	Very flexible

Membrane Glue

The right glue for every application.

AquaFlex Membrane 472	AquaFlex Glue 473 Rocryl Glue 519	Suitable for damp surfaces for temperatures < 5°C and fast setting times
AquaFlex Membrane 475	AquaFlex Glue 1026	Suitable for damp surfaces
AquaFlex Membrane 476	Rocryl Glue 519 AquaFlex Glue 1026	For temperatures < 5°C and fast setting times suitable for damp surfaces

Membrane sealing - Membrane glue

AquaFlex Glue 473 - Epoxy glue suitable for damp surfaces

Epoxy glue for AquaFlex Membrane 472

Application: Glue for AquaFlex Membrane 472 even on damp surfaces. Not for gluing tape on tape.	Properties:	Comp. A
	Mixing ratio: 1 : 1 (A : B) after volume	3 x 1,0 kg
	Density mixed: 1,7 g/ml	
	Processing time: 65 - 90 minutes (20°C)	Comp. B
	Processing temperature: > 10°C	3 x 1,0 kg
	Adhesion on concrete: 6 kN/mm ²	
	Suitable for the use in drinking water. (KTW-tested)	2 C-cartridges a 820 ml

Rocryl Glue 519 - Suitable up to -10°C

PMMA glue for AquaFlex Membranes 572, 576

Application: Glue for AquaFlex Membrane 472, 576, at < 5°C or when faster setting times are required.	Properties:	Comp. A
	Mixing ratio: 1 - 5 % hardener	10,0 kg
	Texture: Pasty like	25,0 kg
	Density: 1,5 g/ml	
	Processing time: Depending on the additional amount of accelerator and temperature	Comp. B
	35 - 40 Minutes (20°C)	1,0 kg
	Processing temperature: +40°C - -10°C (from 0°C additional use of Hydrolist 585, max. 2%)	10,0 kg
	Adhesion on damp concrete: No	10,0 kg

Mounting accessories: Rocryl Hardener 530

Accelerator: Hydrolist 585 < 5°C

Auxiliary materials: CemSeal 1063

AquaFlex Glue 1026 - Epoxy glue, suitable for wet surfaces

Epoxy glue for AquaFlex Membrane 475 with excellent tack (Initial adhesion).

Application: Mounting of AquaFlex sealing tape 775	Properties:	Comp. A
	Mixing ratio: 1 : 0,35 after weight (A : B)	25,0 kg
	Colour: light-grey	7,4 kg
	Texture: pasty and stable	
	Density: ~ 1,4 g/ml	Comp. B
	Processing time: 120-240 Minutes (20°C)	8,6 kg
	35 - 40 Minutes (30°C)	2,6 kg
	Processing temperature: +5°C - +40°C	
	Adhesion on wet concrete: yes	
	Consumption: 7 kg/m ² at 5 mm layer thickness	

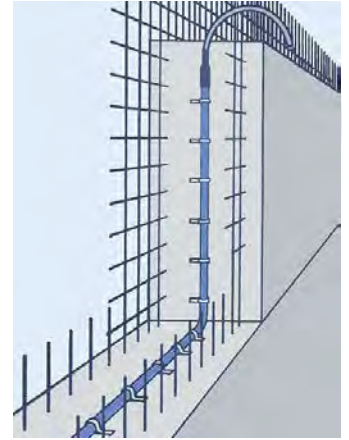
Injection Hose

Tube and tube profiles for waterproof construction joints through injection

- ▶ with resins
- ▶ with cement slurry

Re-injectable* and as swelling hose!

*and by the inventor of the method



Pro Seal 603 - re-injectable

Optional frequently injectable tube for working joint sealing.

Application:
Construction joint sealing

Properties:
Soft and flexible and easy to install
Re-injectable.
Optimal joint contact guaranteed through square form
Immediate waterproofing test after the injection.

Packaging
Role a 50 m
pre-finished for
immediate use
5 x 10 m

Mounting accessories: Clip 614, Clip 615, Assembling set 613, Keeping box 617, Injection clamp 627
Suitable injection resins: HydroStop Inject 783 (re-injectable), HydroStop PU 1100, HydroStop 775 Integra, Silipox Injection 800.

Hyper Seal 605 - Combines swelling tape and injection hose

Unique combination made of swelling rubber and injection tube in proven joint contact - rectangular profile. The swelling function seals the cross section perfectly. Rock pockets and structural damage can be closed by injection function, without additional injection.

Application:
Construction joint sealing

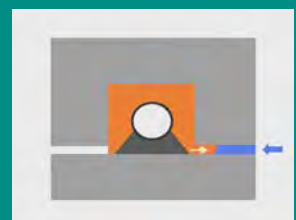
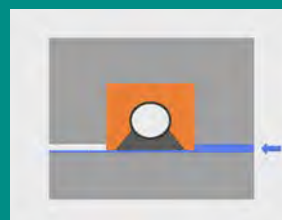
Properties:
Flexible and easy to install.
Able for one-time injection works.
Optimal joint contact guaranteed through square form.
Hose body is made to 100 % of AquaTape swelling rubber with an inside hose for injection resins.

Packaging:
pre-finished for
immediate use
5 x 9 m

Mounting accessories: Clip 614, Clip 615, Keeping box 617, Injection clamp 627
Suitable injection resins: HydroStop Inject 783, HydroStop PU 1100, HydroStop 775 Integra, Silipox Injection 800.

Two functions in one product
installed in one step and dual safe !

MCM - Swelling tube 605 :
A swelling profile with internal tube.



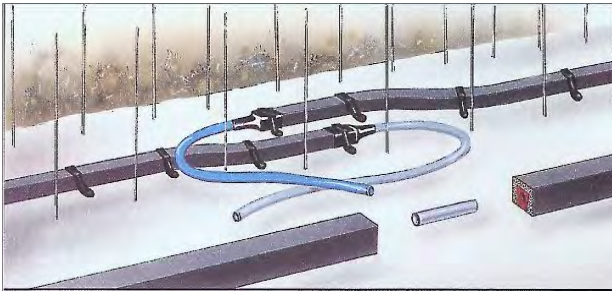
Injection Hose

Injection 602 rund

Injection tube for construction joint sealing.

Application: Construction joint sealing	Properties: Flexible and easy to install. For classic resin injections. The functional labyrinth system ensures constant injection pressure over the entire installation length. This guarantees the constant dispersal of the injection material in the joint space.	Packaging: Roll a 250 m Ready for use 5 x 10 m
---	---	--

Mounting accessories: Clip 616, Clip 625, Assembling set 612, Keeping box 617, Injection clamp 627
Suitable injection resins: HydroStop Inject 783, HydroStop PU 1100, HydroStop 775 Integra, Silipox Injection 800.



Mounting inside the reinforcement



Leakage sealing by injection

Mounting accessories for tubes

Montageschellen

Mounting clips for easy and efficient installation of MCM tubes.

Application Installation of injection tubes	Types Clip 614 (for nailing and gunning) Clip 615 (with screw anchor) Clip 616 (for nailing and gunning) Clip 625 ((with screw anchor)	Packaging Bag a 100 pieces
---	---	--------------------------------------

Keeping box 617

Safe storage for injection tube ends.

Application Installation at the reinforcement at the end of the tube	Properties: Suitable for 2 tube ends	Packaging Carton a 5 pieces
--	--	---------------------------------------

Injection Hose

Mounting accessories for tubes

Tube Assembling Set

Accessories for tube shortening or lengthening

Application

Self tailoring of injection hoses at the building site (lengthen or shorten)

Types:

Assembling set 612
Suitable for hose type 602 and 406.

Assembling set 613
Suitable for hose type 603 and 605.

Content:

10 blue filling ends
10 white filling ends
20 x shrinking hoses
1 x glue

Injection clamp 627 - replaces tube packer

Simple and practical hose connection for comfortable injection of injection hoses.

Application:

Connect to the hose of the injection pump (via the sliding head of the flat head nipple)

The injection pliers is a easy-to-handle tool for fast and secure connection between the injection hose and the injection pump.

Content:

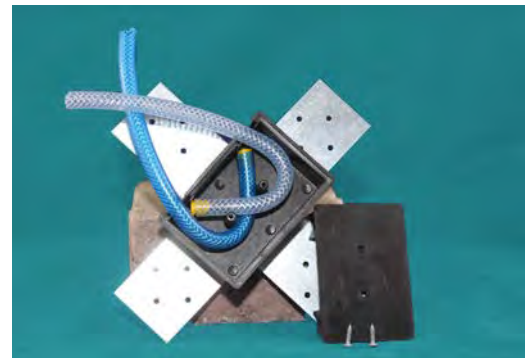
1 piece



Mounting clip for nailing and gunning



Mounting clip with screw anchor



keeping box for the tube ends



Injection clamp for hose injection replaces tube packers



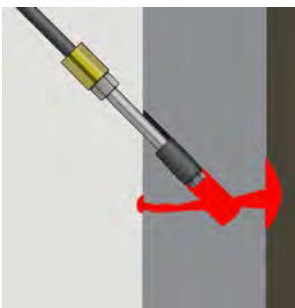
assembling set

INJECTION SYSTEMS

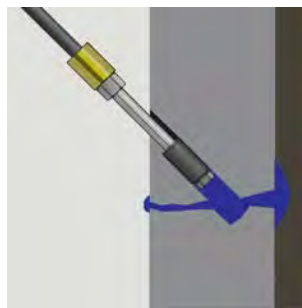
Injection resins

For sealing, filling, strengthening, stabilisation

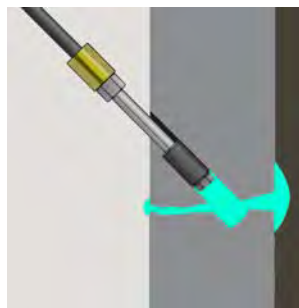
For cracks, joints, areas and building ground



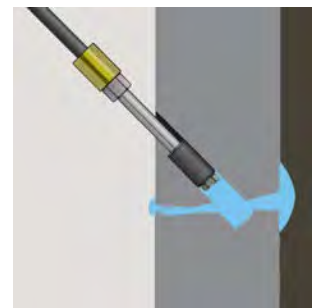
Integra resin



PUR Foam

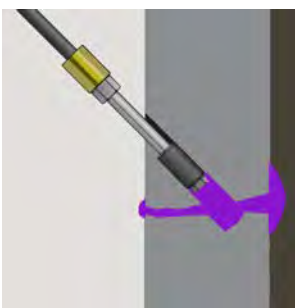


PUR Resin

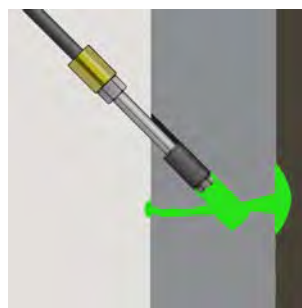


Organo-mineral resin

From acrylic to cement - we supply the whole range. Classic and ready to use as "Integra" resins! For each problem the perfect product*. All products were developed in our lab and made in our production. Best quality, fail-safe, site-appropriate. Problem solver, made with decades of experience.



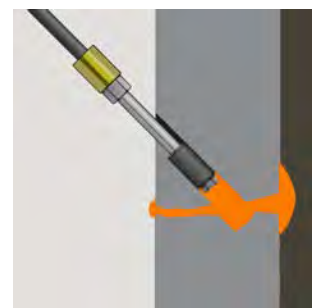
Epoxy resin



Gel



Mineral injection

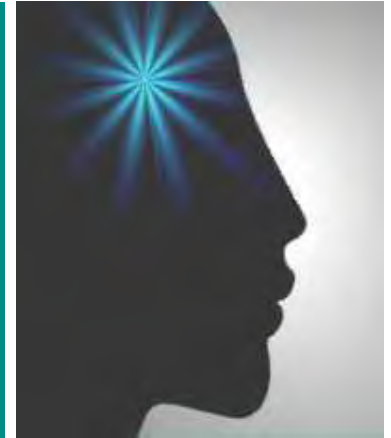


PMMA resin

Integra-Injection Resins

Integra Resins

- ▶ No mixing
- ▶ No pot-life
- ▶ No mistakes
- ▶ No problems
- ▶ Easy and brilliant. Integra



Integra . Injection resin with only one component. Ready to use without mixing. With integrated hardener function. No limitation by “pot-life” or processing time, no problems in the machines during interruptions of work or high temperatures. Safe and fast hardening in structure and no side reactions with water. Integra. The easiest way!



A water-bearing crack in a tunnel, completely injected with **HydroStop 775 Integra**. Running water quickly stopped by the very reactive injection resin. Without foam and other side reactions.

The leakage is perfectly sealed by the highly elastic and swellable resin.

Integra-Injection Resins

HydroStop 775 Integra - fast reaction, swellable and certified according to DIN-EN 1504.5

Ready for use 1 component resin with swellability. No foam! No gel!

Ready for use 1 component resin with swellability. No foam! No gel!

Application:	Properties:	Comp.
Crack sealing	Mixing ratio: Ready for use	1,5 kg
Working joint sealing	Processing time t-gel: No classic reaction time	3,2 kg
Injection hose sealing	Processing temperature: > 8°C	6,5 kg
Rock pocket sealing	Density mixed: 1,12 g/ml (20°C)	Cartridge a 520 g
	Viscosity mixed: 120 +/- 10 cSt (at 20°C)	12 Pcs / Carton
	Suitable for the use in drinking water. (KTW-certificated)	Cartridge a 400 ml
		15 Pcs / Carton

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: - HydroStop Integra FU, Hydrolist 577

Auxiliary materials: Seal-Mortar 1130, Tempseal 480, Akku Press hand pump 080, Gun 074

NEW - ideal for small leakages : JETFIX-Integra !

775 Integra cartridges. Very simple to process, without complex machine technology, but with professional results. With light hand gun for easier work or with the JETFIX high-pressure gun for classic injection work.

Easy, safe and economical: No set-up times, no machine cleaning!

JETFIX Starter Set 775.1:	contains 2 cartridges a. 520g, gun (40 kp press power), hose, 5 injection packer (daily packer PK-6)
JETFIX refill- Set 775.1:	12 cartridges a 520 g, 1 hose
JETFIX 775.2:	12 cartridges a 400 ml, suitable for guns JETFIX H and JETFIX E-080
Care agent 721:	Preserving agent for JETFIX-E gun. PE-cartridges a. 400 ml.



JETFIX-H, for professional injection work - with HydroStop-775-Integra in cartridges a 400 ml.

HydroStop 800 Integra - elastic

Hydroactive 1 component injection resin, ready for use. Solvent free, closed cell structure and elastic.

Hydroactive 1 component injection resin, ready for use. Solvent free, closed cell structure and elastic.

Application:	Properties:	Comp.
Crack sealing,	Mixing ratio: Ready for use	1,5 kg
Working joint sealing	Processing time t-gel: No classic reaction-time	3,2 kg
Injection hose injection.	Processing temperature: > 8°C	6,0 kg
	Density mixed: 1,10 gr/ml (20°C)	
	Viscosity mixed: 200 +/- 10 cSt (at 20°C)	

Clean and care agent: AquaSolv 720, HydroMoll 722

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

Integra-Injection Resins

DURASIL 340 Integra - fast reaction and viscoplastic!

Completely New: ready for use, only one component, compact and viscoplastic!

Application:	Properties:	Packaging
Elastic sealing of cracks and joints. For classic injections and injection of injection hoses.	Mixing ratio: ready for use Processing time: No classic pot-life! Processing temperature: > 5°C Density mixed: 1,12 g/ml Viscosity: about 150 cSt	1,5 kg 3,2 kg 6,5 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Auxiliary material: Seal-Mortar 1130, Tempseal 480

HydroStop 710 Integra - waterstop foam

Hydroactive 1 component water stop foam, ready for use. Solvent free, closed cell structure and elastic.

Application:	Properties:	Comp.
Pre-injection, classical waterstop injection. Structural fixation for loose sand and gravel in civil engineering and tunnelling.	Mixing ratio: Integra = ready for use Start time: 15 s Rise time: 120 - 150 s Processing temperature: > 8°C Density: 1,1 - 1,15 g/ml (20°C) Viscosity: 200 - 260 cSt (at 20°C) Foam recovery: 35 litre per kg, free foamed.	1,0 kg 2,5 kg 10,0 kg 200,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Auxiliary materials: Seal-Mortar 1130, Tempseal 480

HydroStop 820 nv Integra - hydroactive foam

Weak foaming, low viscosity injection resin with hydroactive effect. Solvent free!

Application:	Properties:	Comp. A
Crack sealing Construction joint sealing Rock pockets Injection hoses	Mixing ratio: Ready to use Processing time t-gel: No classic reaction-time Setting time: About 30 minutes Processing temperature: > 8°C Density mixed: 1,10 gr/ml (20°C) Viscosity mixed: 150 +/- 100 cSt (at 20°C) Suitable for drinking water. (KTW-certificated)	1,0 kg 2,5 kg 6,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Auxiliary materials: Seal-Mortar 1130, Tempseal 480

Integra Systems
Always one step ahead!



PUR-Injection Resins

Also with polyurethane: we offer the whole range! Resin-

- ▶ swellable, with self healing effect through volume increase in water
- ▶ elastic, for elastic filling of cracks and dilatation joints
- ▶ foaming, to stop water and as filling foam
- ▶ hard, rigid and tensile resistant for non-positive connections

HydroStop PU 700 - flexible and swellable

Swellable polyurethane resin for crack filling according to DIN-EN 1504.5

Application: Crack sealing, Sealing of construction joints, Injection hoses	Properties:	Comp. A
	Mixing ratio: 1 : 1 by volume	4,8 kg
	Processing time t-gel: 60-80 minutes at 20°C	10,0 kg
	Processing temperature: > 8°C	200,0 kg
	Density mixed: 1,05 gr/ml (20°C)	
	Viscosity mixed: 150 cSt / +-30 (at 20°C)	Comp. B
	Swellability: 150%	5,2 kg
	Tensile ability hardened: About 100%	10,8 kg
	Suitable for drinking water. (KTW-certificated)	216,0 kg
	Application technology tested according to DIN-EN 1504.5	

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 508, Hydrolist 509

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

HydroStop PU 706

Low viscosity, elastic injection resin. Standard resin for sealing works.

Excellent adhesion, resistance and penetration. Solvent free!

Application: Crack sealing, Construction joint sealing Injection hose injection Rock pockets	Properties:	Comp. A
	Mixing ratio: 1 : 1 by volume	9,7 kg
	Processing time t-gel: 60-80 minutes at 20°C	200,0 kg
	Processing temperature: > 8°C	
	Density mixed: 1,05 gr/ml (20°C)	Comp. B
	Viscosity mixed: 80 +/- 25 cSt (at 20°C)	10,3 kg
	Tensile ability hardened: About 50%	216,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 508, Hydrolist 509

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

PUR-Injection Resins

PurSeal 897 - transparent, absolutely uv resistant, non yellowing!

UV-resistant, flexible PUR casting and injection resin.

Application: Transparent coating for sealing of stones and slabs. Top Coat for sand carpets Bonding agent for plaster and joint mortars Injection of hollow tiles or facades	Properties: Mixing ratio : 1 : 1 by volume Viscosity mixed: 1100 - 800 cSt (at 20°C) Density: app. 1,02 g/ml by 20°C Processing time: ~20 Minutes at 20°C Processing temperature: +8°C - +30°C Hardening time app. 200 - 250 minutes by 20°C Usable after: 12 h For dry surfaces	Comp. A
		5,0 kg
		10,0 kg
		Comp. B
		5,0 kg
		10,0 kg

Clean and care agent: AquaSolv 720

AquaSoil 717 Integra

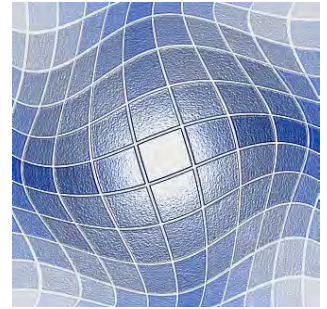
Low viscosity injection resin for fine cracks and for horizontal barriers.

Application: Ground stabilisation in soil engineering Component upgrading/consolidation Horizontal barriers in porous masonry Crack injection	Properties: Mixing ratio: ready for use Processing time t-gel: no classic reaction time Density: 1,1 g/ml (at 20°C) Viscosity: 50 cSt (at 20°C)	Comp.
		25,0 kg
		200,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

AquaRapid

- ▶ rubber for injection, rubbery-elastic
 - ▶ perfect for reconstruction of expansion joints
 - ▶ Easy to process
- Proven for 25 years, unique!**



HydroStop Rapid 770 - The ne plus ultra of injection technology systems 3-S

Highly reactive, swellable injection rubber. High tear strength and elasticity.
Two components, fast reaction, short setting time and swellable by contact with water.

Application: Non foaming water stop, even at much water and high water pressure. For sealing of gaps, cracks and dila- tation joints* * Test report MFPA Leipzig	Properties: Mixing ratio: 1 : 1 by volume Processing time t-gel: Reacts spontaneous after mixing Setting time: 3 - 4 minutes Processing temperature: > 8°C Density mixed: 1,05 gr/ml (20°C) Viscosity mixed: Not measurable Swellability: 50%	Comp. A
		10,8 kg
		200,0 kg
		Comp. B
		10,0 kg
		250,0 kg
Suitable for drinking water. (KTW-certificated)		

Clean and care agent: AquaSolv 720, HydroMoll 722
 Accelerator: Hydrolist 576
 Auxiliary materials: Seal-Mortar 1130, Tempseal 480

HydroStop Rapid 770

For permanent elastic and long-term reliable sealings of expansion joints, even in ranges between high and low water level. Double safe with excellent flank adhesion and product typical swelling pressure at penetrating water. Aging resistant, mechanically stable and tear resistant.

Rapid 770. Easy, durable and unbeatable.

HydroStop Foam 700-15 - Swelling foam! Singel Shot System - System 3-S

Elastic and swellable 2 C PU micro foam. Impermeable!

Application: Waterstop Sheet pile sealing Slurry wall sealing Working joints Dilatation joints	Properties: Mixing ratio: 1 : 1 by volume Starting time: 50 sec., 20°C Processing temperature: > 8°C Setting time: 2 - 3 minutes Density mixed: 1,05 g/ml (20°C) Foaming factor: 3 - 4 Suitable for drinking water. (KTW-certificated)	Comp. A
		10,0 kg
		200,0 kg
		Comp. B.
		11,0 kg
		220,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
 Accelerator: Hydrolist 508, Hydrolist 509
 Auxiliary material: Seal-Mortar mortar 1130, Tempseal 480

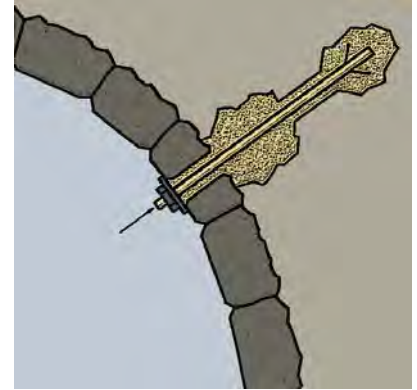
**Dilatation joint and water stop with a Single Shot System
 - unbeatable easy and durable.**

PUR-Injection Resins

Special product for tunnelling

Highly reactive with short reaction times

- ▶ in case of high water pressure
- ▶ as driving protection in tunnelling
- ▶ as glue anchor and injection screw anchor
- ▶ rigid, elastic or as foam
- ▶ stabilisation



Anchor-resin

HydroStop Ankerharz PU 840

Highly reactive thixotropic resin for anchoring

Application: Anchor-resin contact grouting	Properties:	Comp. A
	Mixing ratio: 1 : 1 by volume	20,0 kg
	Processing time t-gel: 7 - 10 sec.	200,0 kg
	Setting time: 4 - 5 minutes	
	Processing temperature: > 8°C	Comp. B
	Density Comp A: 1,05 g/ml (20°C)	25,0 kg
	Density Comp B: 1,15 g/ml (20°C)	250,0 kg
	Viscosity Comp A: 150 - 250 cSt sec. (at 20°C)	
	Viscosity Comp B: 250 - 450 cSt sec. (at 20°C)	

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: on request

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

Stabilisation, consolidation, strengthening

HydroStop PU 841

Very fast injection resin with high strength

Application: consolidation in tunnelling and mining Water stop Stabilisation Strengthening	Properties:	Comp. A
	Mixing ratio: 1 : 1 by volume	31,5 kg
	Processing time t-gel: possible between 15 s - 3 min	210,0 kg
	Viscosity Comp. A: 250 - 350 cSt (20°C)	
	Viscosity Comp. B: 250 - 450 cSt (20°C)	Comp. B
	Density Comp. A: 1,05 g/ml (20°C)	34,5 kg
	Density Comp. B: 1,15 g/ml (20°C)	230,0 kg
	Expansion: till 10%	
	Also available as HydroStop PU 841-T	
	Controlled filling by thixotropic adjustment.	

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 054, Hydrolist 055

PUR-Injection Resins

Special products for tunnelling

HydroStop PU 842 T - elastic

Very fast, thixotropic and very elastic injection resin with high strength.

Application:	Properties:	Comp. A
Dilatation Joints	Mixing ratio: 1 : 1 by volume	31,5 kg
Dynamic cracks	Processing time t-gel: possible between 20 s - 3 min	210,0 kg
Water stop	Viscosity Comp. A: 250 - 350 cSt (20°C)	
Slurry walls	Viscosity Comp. B: 250 - 450 cSt (20°C)	Comp. B
	Density Comp. A: 1,05 g/ml (20°C)	34,5 kg
	Density Comp. B: 1,15 g/ml (20°C)	230,0 kg
	Expansion: up to 10%	

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: Hydrolist 054, Hydrolist 055

HydroStop PU 844

Very fast reaction and excellent adhesion, weak foaming.

Application:	Properties:	Comp. A
Driving protection in tunnelling	Mixing ratio: 1 : 1 after volume	25,0 kg
Strengthening	Processing time t-gel: possible between 20 s - 3 min	
Stabilisation	Viscosity mixed: 200 - 300 cSt (20°C)	Comp. B
Sealing	Density mixed: 1,18 gr/ml (20°C)	28,0 kg
	Expansion: 150 %	
	t-Gel: 90 - 100 s (20°C)	
	stick free: 3 - 6 minutes (20°C)	
	Compressive strength: > 60 N/mm ²	
	Bending tensile strength: > 45 N/mm ²	
	Concrete adhesion: > 3 N/mm ²	

Clean and care agent: AquaSolv 720, HydroMoll 722

	thixotropic	foaming	elastic	t-gel
HydroStop Ankerharz 1040	-	150%	-	7 -10 s
HydroStop PU 841	-	10%	-	15 s - 3 Min
HydroStop PU 841 - T	Yes	10%	-	15 s - 3 Min
HydroStop PU 842 - T	Yes	3 - 5%	Yes	20 s -3 Min
HydroStop PU 844	-	150%	-	90 - 100 s

PUR-Injection Resins

Strengthening and Stabilisation

For strengthening and consolidation of building structures and soils



BOROKS AC-1209 - low-viscosity for injection or soaking suitable for very wet building materials!

Soil and building material stabilisation and consolidation.

Application: Ground stabilisation Consolidation of building structures Strengthening of building materials	Properties: Basis: Methacrylate Mixing ratio: 100 : 2-4 parts Processing time t-gel: 35-45 Min, 20°C Viscosity: 1-10 cSt (20°C) Density mixed: 0,98 g/ml (20°C) UV-resistant: yes Hydrophilic: yes, mixable with water, suitable for very wet building materials Solid content: 100%	Comp. A 25,0 kg
		Comp. B 1,0 kg

Clean and care agent: AquaSolv 720
Auxiliary material: Seal-Mortar 1130,

AquaSoil 1220 i - excellent penetration in fine structures, quick hardening

Low viscosity, hydroactive injection resin for strengthening and stabilisation.

Application: Ground stabilisation Consolidation of building structures Strengthening of building materials	Properties: Basis: Polyurethane Mixing ratio: 1 C System Processing time t-gel: no classic reaction time Viscosity: 120 - 200 cSt (20°C) Density mixed: 1,06 - 1,10 g/ml (20°C) Improves compression strength, bending tensile strength, E-Modul	Comp. 20,0 kg
		200,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Auxiliary materials: Seal-Mortar 1130, Tempseal 480

AquaSoil 717 Integra

Stabilisation of floors and building materials.

Application: Consolidation and stabilisation of building materials and fine sands. Stabilisation and waterproofing of mineral building materials.	Properties: Mixing ratio: ready for use Processing time t-gel: no classic reaction time Density: 1,1 g/ml (at 20°C) Viscosity: 50 cSt (at 20°C)	Comp. 25,0 kg
		200,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

PUR-Foam Resins

Water stop - foam resins

- ▶ with fine cellular structure
- ▶ with high foam recovery
- ▶ with fast reactions
- ▶ for one and two component injections



1-Component Systems

HydroStop Foam 710

Fast water stop foam

Application: Water stop	Properties:	Comp. A
	Mixing ratio: 1-4% Hydrolist relating to main component	2,5 kg
	Starting time: 10 s	10,0 kg
	End of reaction: 50 - 55 s	200,0 kg
	Processing temperature: > 8°C	
	Density mixed: 1,1 - 1,15 g/ml (at 20°C)	Comp. B (Cat)
	Viscosity mixed: 200 - 260 cSt (at 20°C)	0,50 kg
	Foam recovery: 40 Litre each kg foamed free.	1,00 kg
		10,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 513, Hydrolist 514

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

Suitable resins for subsequent injection: HydroStop PU 1100, HydroStop PU 706, HydroStop 775 Integra, HydroStop Inject 783

HydroStop 820 nv Standard

Low viscosity water stop foam - medium reactive.

Application: Crack injection, Working joint sealing Water stop	Properties:	Comp. A
	Mixing ratio: 1-4% Hydrolist relating to main component	10,0 kg
	Starting time 20 - 25 s	30,0 kg
	End of reaction: 80 - 100 s	200,0 kg
	Processing temperature: > 8°C	
	Density mixed: about 1,12 g/ml (20°C)	Comp. A
	Foam recovery: 25 Litre each kg foamed free.	0,50 kg
	Suitable for the use in drinking water. (KTW-certificated)	1,00 kg
		10,00 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 513, Hydrolist 514

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

Suitable resins for subsequent injection: HydroStop PU 1100, HydroStop PU 706, HydroStop 775 Integra, HydroStop Inject 783

PUR-Foam Resins

1-Component Systems

HydroStop 821 nv Standard

Elastic water stop foam.

Application: Crack injection Working joint sealing Water stop	Properties: Mixing ratio: 1-4% Hydrolist relating to main component Starting time 20 - 25 s End of reaction: 80 - 100 s Processing temperature: > 8°C Density mixed: about 1,12 g/ml (20°C) Foam recovery: 25 Litre each kg foamed free. Suitable for drinking water. (KTW-certificated)	Comp. A 10,0 kg 30,0 kg 200,0 kg Comp. B (Cat) 0,50 kg 1,00 kg 10,00 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 513, Hydrolist 514

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

Suitable resins for subsequent injection: HydroStop PU 1100, HydroStop PU 706, HydroStop 775 Integra, HydroStop Inject 783

Special feature: HydroStop 820 nv and HydroStop 621 nv can be mixed with one another as desired. The more HydroStop 621 nv, the more elastic the foam.

Integra Systems

HydroStop 710 Integra - water stop foam

Water stop foam ready for use - Medium reactive. Solvent free, closed cells, elastic.

Application: Pre-injection, classical waterstop injection. Structural fixation for loose sand and gravel in civil engineering and tunnelling.	Properties: Mixing ratio: Integra = ready for use Starting time: 15 s Rising time: 120 - 150 s Processing temperature: > 8°C Density: 1,1 - 1,15 g/ml (20°C) Viscosity: 200 - 260 cSt (at 20°C) Foam recovery: 35 Litre each kg foamed free.	Comp. 1,0 kg 2,5 kg 10,0 kg 200,0 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

HydroStop 820 Integra - No water stop! Seals cracks and joints without additional injection.

Weak foaming, low - viscous injection resin with hydroactive effect for cracks and joints.

Application: Crack injection, Working joint sealing	Properties: Mixing ratio: Ready for use Processing time t-gel: no classic reaction time Setting time: about 30 minutes Processing temperature: > 8°C Density mixed: 1,10 g/ml (20°C) Viscosity mixed: 150 +/- 10 cSt (at 20°C) Suitable for drinking water. (KTW-certificated)	Comp. A 1,0 kg 2,5 kg 6,0 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

PUR-Foam Resins

2-Component Systems

HydroStop Foam 500-15 - Swelling foam! Single Shot System = System 3-S

Elastic and swellable 2 C PU foam. Impermeable to liquid!

Application: Water stop Sheet pile wall sealing Slurry wall sealing Working joints Dilatation joints	Properties: Mixing ratio: 1 : 1 by volume Starting time: 50 sec. at 20°C Processing temperature: > 8°C Setting time: 2 - 3 minutes Density mixed: 1,05 g/ml (20°C) Foam factor: 3 - 4 Suitable for the use in drinking water. (KTW-certificated)	Comp. A
		10,0 kg 200,0 kg
		Comp. B
		11,0 kg 220,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 508, Hydrolist 509

Auxiliary materials: Seal-Mortar 1130, Tempseal 480

HydroStop Foam 716

Fast 2 C foam with high foam recovery. Fine cellular, tight and very hard.

Application: Sealing Backfilling Joints Cracks Excavation Tunnelling Mining	Properties: Mixing ratio: 1 : 1 by volume Starting time: 60 - 80 s at 20°C Setting time: 2 - 4 minutes Viscosity: ~ 450 - 550 cSt (20°C) Density: 1,05 g/ml (20°C) Foam factor: > 20	Comp. A
		9,3 kg 28,0 kg 200,0 kg
		Comp. B
		10,6 kg 32,0 kg 220,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 514

1-Component or Integra ?

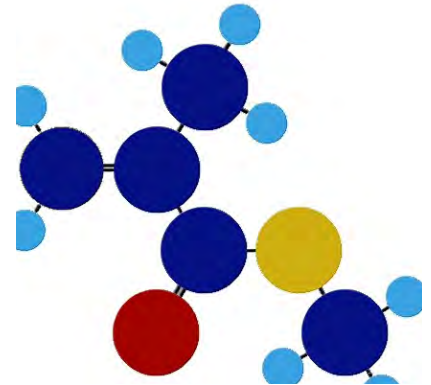
All 1 component resins need accelerating and mixing before application. This activation guarantees the fast reaction with water.

Our Integra systems work without acceleration. Integra: Just one component, no mixing, no mistakes. Integra is ready for use

Acrylic-injection resins

Acrylic injection resins

- ▶ tough or elastic
- ▶ solid hardening products
- ▶ solid content 100%



HydroStop AC 755 - low-viscous, strengthening and stabilising

Water-soluble acrylic resin for non-positive injections. Processing at temperatures below 0°C possible!

Application: Crack injection, Working joint sealing Hose injection. Anchor resin Solidification and stabilisation	Properties: Mixing ratio: 4% accelerator Processing time t-gel: 70-80 minutes at 20°C Processing temperature: below 0°C possible Density mixed: 1,05 g/ml (20°C) Viscosity mixed: 150 - 250 cSt (at 20°C)	Comp. A + Cat
		10,0 kg cSt
		Cat
		200,0 kg
		Comp. Cat
		1,0 kg
		10,0 kg


Clean and care agent: Water

Accelerator: Hydrolist 585, Hydrolist 586, Hydrolist 587

Auxiliary materials: Seal-Mortar 1130, MCM KompriFoam 130

HydroStop Inject 783 - used for more than 20 years.

Swellable injection resin, excellent chemical resistance and compliant to bitumen.

Application: Crack injection, Working joint sealing Hose injection. Suitable for re-injectable hoses.	Properties: Mixing ratio: 1 : 1 by volume Processing time t-gel: 50-60 minutes at 20°C Processing temperature: > 8°C Density mixed: 1,08 g/ml (20°C) Viscosity mixed: 85 - 100 cSt (at 20°C) Swellability: 150%	Comp. A
		5,0 kg
		10,0 kg
		200,0 kg
		Comp B.
		5,0 kg
		10,0 kg
		200,0 kg
	Suitable for the use in drinking water. (KTW-certificated)	
	Corrosion resistance of reinforcement certified	
	Application-technical certified	
	Determination of tear strength on concrete tested	

Clean and care agent: Water

Accelerator: Hydrolist 585, Hydrolist 586, Hydrolist 587

Auxiliary materials: SealMortar 1130, MCM KompriFoam 130

Acrylic-injection resins

BOROKS AC-1209 - low-viscous to inject or immerse. Also vor very wet building materials!

Stabilisation and consolidation of floors and building materials.

Application:	Properties:	Comp.
Consolidation of building materials	Mixing ratio: 100 : 2-4 parts	20,0 kg
Stabilisation of floors	Processing time t-gel: 35-45 Min, 20°C	200,0 kg
Consolidation of structures	Viscosity: 1-10 cSt (20°C)	
	Density mixed: 0,98 g/ml (20°C)	
	Basis: Methacrylate	
	UV-resistant: Yes	
	Hydrophilic: yes, mixable with water, also for very wet building materials	
	Solid content: 100%	

Clean and care agent: AquaSolv 720

Acrylic resin

Green Systems = cleaning without solvents

Nonpositive injections up to -10°C

Adhesion on wet surfaces, no foaming.

PMMA - resins

RocrylAT, for static connections.

PMMA and PUMA for fast working even below 5°C

Rocryl resins

- ▶ Casting of cracks and contraction joints
- ▶ Crack and joint needling with floor screed brackets
- ▶ Injection of cracks, contraction joints and local separations
- ▶ Non-positive connection of cracked parts made of concrete and floor screed

Rocryl Inject 527 - low-viscous PMMA resin

Stabilisation and consolidation of floors and building materials.

Application:	Properties:	Comp. A
Crack injection and casting	Mixing ratio: 1% - 4% Reaction starter Rocryl 530	0,75 kg
Crack and joint needling	Processing time t-gel: ~ 15 minutes at 20°C	10,00 kg
Contraction joints	Processing temperature: -10°C - +35°C possible	30,00 kg
Local separations	Gross density: 1,0 g/cm ³ (20°C)	Comp. B
Non-positive connections	Viscosity mixed: 100 - 120 cSt (23°C)	0,50 kg
	Application: roller or squeegee	25,00 kg
	Consumption: 250 - 800 g/m ² (hardened the film must be closed)	Combipack
		A+B 0,78 kg

Clean and care agent: AquaSolv 720

Reaction starter: Rocryl 530

Auxiliary materials: Screed needle 075

Rocryl 528 - medium-viscous PMMA resin

PMMA resin for injection and casting of wide cracks and joints, for non-positive connections. Processing also below 0°C possible!

Application:	Properties:	Comp. A
Crack injection and casting	Delivery form: 2 components	0,75 kg
Crack and joint needling	Colour: natural or RAL	10,0 kg
Contraction joints	Density: 1,0 g/cm ³ , 20 °C	30,0 kg
Local separations	Viscosity: 800 - 800 cSt (23°C)	Comp. B
Non-positive connections	Processing time: app. 15 - 17 min, 20°C	0,50 kg
	Stick free: 50 minutes, light mechanically strain	25,00 kg
	End strength: 24 h	Combipack
	Setting time: 18-24 h, 20°C	A+B 0,78 kg

Clean and care agent: AquaSolv 720

Reaction starter: Rocryl 530

Auxiliary materials: Screed needle 075



Crack needling with screed-clamps No. 75

Epoxy-Injection resins

Silipox Injection 1000

Low-viscous EP resin with excellent adhesion and penetration of fine structures. Solvent-free!

Application:	Properties:	Comp. A
Working joint sealing	Mixing ratio: 2 : 1 (A : B)	1,0 kg
Crack repair	Processing time t-gel: 40 - 50 minutes at 20°C	10,0 kg
Injection of hoses	Processing temperature: 8°C - 35°C	200,0 kg
Non-positive connection	Density mixed: 1,03 +/- 0,1 g/ml (20°C)	Comp. B
	Consolidation and stabilisation	0,5 kg
	Viscosity mixed: 240 +/- 50 cSt (at 20°C)	5,0 kg
		100,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: on demand

Auxiliary materials: SealMortar 1130, Tempseal 480

HydroPox EP Inject 1040

Low-viscous epoxy resin with excellent creep and moistening properties. Solvent-free!

Application:	Properties:	Comp. A
Crack repair	Mixing ratio: 1 : 1 by volume (A : B)	1,0 kg
Injection of hoses	Processing time t-gel: 240 minutes at 20°C	20,0 kg
Consolidation and stabilisation	Processing temperature: > 8°C	200,0 kg
Non-positive connection	Density mixed: 1,03 g/ml (20°C)	Comp. B
	Viscosity mixed: 240 - 25 cSt	1,0 kg
	Extensibility: 3% max	20,0 kg
		200,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: on demand

Auxiliary materials: SealMortar 1130, Tempseal 480

M-Pox 0480

Low-viscous epoxy resin. Solvent-free!

Application:	Properties:	Comp. A
Non-positive connection	Mixing ratio: 2 : 1 by volume (A : B)	19,60 kg
Consolidation and stabilisation	Processing time t-gel: 6 - 7 h at 20°C	
Laminates with glass-, carbon- and textile fibre	Setting time: about 36 h	Comp. B
Casting compound	Processing temperature: > 8°C	9,80 kg
Moulded parts of polymeric concrete	Viscosity mixed: 180 - 240 cSt	

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: on demand

Auxiliary materials: SealMortar 1130, Tempseal 480

Epoxy-Injection resins

SILOCS-NT: The NEW TECHNOLOGY for epoxy resins -

NT-contains no aggressive or irritant reactive diluents, the used hardeners no benzyl alcohol or other VOC relevant ingredients. They offer the maximum of environmental safety and safety at work which is possible today by using epoxy resins.

Silocs Injection 1010 NT

Low-viscous epoxy resin for injections. Long reaction time, 5 h

Application: Crack repair Injection of hoses Consolidation and stabilisation Non-positive connection	Properties: Mixing ratio: 5 : 1 (A : B) Processing time t-gel: about 5 hours at 20°C Processing temperature: > 8°C Density: 1,05 g/ml (20°C) Viscosity: 80 - 85 cSt	Comp. A 22,5 kg Comp. B 4,5 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand
Auxiliary materials: SealMortar 1130, Tempseal 480

Silocs Injection 1011 NT - special for injections in wet building materials

Low-viscous epoxy resin for injections. With excellent adhesion on damp surfaces.

Application: Crack repair Injection of hoses Consolidation and stabilisation Non-positive connection	Properties: Mixing ratio: 5 : 1 (A : B) Processing time t-gel: about 2 hours at 20°C Processing temperature: > 8°C Density: 1,05 g/ml (20°C) Viscosity: 80 - 85 cSt	Comp. A 22,5 kg Comp. B 4,5 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand
Auxiliary materials: SealMortar 1130, Tempseal 480

Silocs Injection 1012 NT

Low-viscous epoxy resin for injections. With medium reaction time, 1,5 h

Application: Crack repair Injection of hoses Consolidation and stabilisation Non-positive connection	Properties: Mixing ratio: 5 : 1 (A : B) Processing time t-gel: about 1,5 - 2 hours at 20°C Processing temperature: > 8°C Density: 1,05 g/ml (20°C) Viscosity: 80 - 85 cSt	Comp. A 22,5 kg Comp. B 5,0 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand
Auxiliary materials: SealMortar 1130, Tempseal 480

Epoxy-Injection resins

For each situation the perfect NT resin :

Silocs 1010 NT - t-gel 5 hours

Silocs 1011 NT - t-gel 2 hours, especially for wet cracks and building materials

Silocs 1012 NT - t-gel 2 hours

Silocs 814 NT - t-gel 2 hours, suitable for wet cracks and building materials, corrosive protection

Silocs Injection 1014 NT - with corrosion protection additive, displaces water from steel and concrete

Low viscosity epoxy resin for injection work. Solvent-free!

Application:

Filling and solidification of finest cracks and pore structures.
Consolidation of low-binder building materials.
Active protection for the reinforcement.
Non positive sealing of water leading cracks and joints.
Hollow plates and screeds

Properties:

Mixing ratio: 5 : 3 (A : B)
Processing time t-gel: about 3 hours at 20°C
Processing temperature: > 8°C
Density: 1,05 g/ml (20°C)
Viscosity: 80 - 85 cSt
Adhesion on concrete > 1,5 kN/mm²
Compressive strength 48 N/mm²
Bending tensile strength 30 N/mm²

Comp. A
25,0 kg

Comp. B
15,0 kg

Clean and Care agent Pflegemittel: AquaSolv 720, HydroMoll 722

Accelerator: on Request

Accessories: SealMortar 1130, Tempseal 480

	very low-viscous	Humidity	Crack needling	Consolidation+ stabilisation	Consolidation of building materials poor in binding agents	non-positive connections	Injection of cracks joints hoses
EP 800			X	X		X	X
1010 NT	X			X		X	X
1011 NT	X	X		X		X	X
1012 NT	X			X		X	X
EP 1040				X		X	X
M-Pox 0480				X	X	X	X

Hydro-gels



15. October 2010 ,14:18 h

Cut-through at Gotthard base tunnel, Switzerland - the longest tunnel in the world.

After 10 years of construction time and 57 kilometres through the alps, a world record - our gels were present.

Only by injection of cement together with 1100 tons of HydroStop-AcriGel it was successful to stabilise the fragile rock and turn the TBM again.

Acrylic-Gels

HydroStop-AcriGel 730
HydroStop-AcriBlend 740

PUR-Gels

HydroStop Polygrout 850
HydroStop PU 860

Silicate-Gels

PurSeal Si 911
Diverse special types

MCM - HydroGels:

- for injections of structure, for curtain injections
- for sole sealing and structure improvement

Acrylic-gel


Acrylic gels from MCM are physiologically absolutely safe, they are also, with additive AC, already no longer corrosive during application. Machines and equipment made of stainless steel are no longer necessary! Building materials and reinforcement are not attacked!

Advantages at a glance

- ▶ low viscosity
- ▶ excellent penetration of fine structures and pores
- ▶ controlled swelling in water
- ▶ flexible reaction times, easy to adjust
- ▶ easy processing
- ▶ non-toxic, environmentally friendly, also for the use in drinking water
- ▶ very good chemical and mechanical resistance

HydroStop AcriGel 730

Highly elastic, low-viscous hydro-gel for sealing works. Physiological completely harmless.

Application:	Properties:	Comp. A (Gel)
Curtain injection	Mixing ratio: 1 : 1 by volume	28,0 kg
Construction sealing	Processing time t-gel: between 10 s and 120 minutes possible	200,0 kg
Crack injection	Processing temperature: >0°C	1.000,0 kg
Duct relining	Density mixed: 1,15 - 1,017 g/ml (20°C)	
Slurry wall sealing	Viscosity mixed with water: about 3,2 cSt (at 20°C)	
Sheet pile sealing	Swellability: 100%	
Consolidation and stabilisation		
	Suitable for the use in drinking water. (KTW-certificated)	
	Please ask for our summary of certification reports	

Clean and care agent: Water

Accelerator: Hydrolist 746, Hydrolist 748, Hidrox 749

Auxiliary materials: SealMortar 1130, MCM KompriFoam 130

Acrylic-gel

Accelerator and reaction starter for acrylic-gels

Hydrolist 746

Accelerator for HydroStop AcriGel, for slow reaction times

Application:	Properties:	Comp.
Accelerator for AcriGel 730 Suitable for slow reaction times	Mixing ratio: 2 - 4% in relation to main component Processing time t-gel: 5 minutes - 120 minutes Processing temperature: > 5°C	10 kg

Hydrolist 748

Accelerator for HydroStop AcriGel, for fast reaction times

Application:	Properties:	Comp.
Accelerator for AcriGel 730 Suitable for fast reaction times	Mixing ratio: 2 - 4% in relation to main component Processing time t-gel: 30 seconds - 3 minutes Processing temperature: > 5°C	10 kg

HidroX 749 - A

Reaction starter for HydroStop AcriGel 730

Application:	Properties:	Comp.
Reaction starter for HydroStop AcriGel 730	Mixing ratio: 2 - 4% in relation to main component	0,5 kg 25,0 kg

HidroX 745 - N

Reaction starter for HydroStop AcriGel 730, used in combination with HydroStop AcriBlend 740.

Application:	Properties:	Comp.
Reaction starter for HydroStop Poly-gel 530 in combination with HydroStop AcriBlend 740	Mixing ratio: 2 - 4% in relation to main component	0,5 kg 25,0 kg

AcriGel 730 the all rounder - 1 Gel just in case.

T-gel between 10 seconds and 2 h are possible

Mechanic properties can be changed and stabilised by addition of AcriBlend
- everything with one material!

Acrylic-gel

AcriBlend 740 : Polymeric additive Improves the properties of acrylic-gels

- ▶ less shrinkage while drying-out
- ▶ better elasticity and tear strength
- ▶ much better adhesion on surface
- ▶ better chemical resistance

Polymer additives for acrylic-gels

HydroStop AcriBlend 740

Reactive auxiliary agent for HydroStop AcriGel 730. Improves properties of hydro gels.

Application:	Properties:	Comp.
Curtain injection	Mixing ratio: 1 : 1 by volume	25,0 kg
Construction sealing	Processing time t-gel: between 10 s and 120 minutes possible	200,0 kg
Crack injection	Processing temperature: >0°C	1.000,0 kg
Duct relining	Density: 1,05 g/ml (20°C)	
Slurry wall sealing	Viscosity: 25 - 40 cSt (at 20°C)	
Sheet pile sealing	Swellability: 100%	
Consolidation and stabilisation		

Corrosion protection additives for acrylic-gel

Additive AC 1211

Corrosion protection

Application:	Properties:	Comp.
Anti-Corrosive auxiliary material for acrylic-gels. Protects reinforcing steel of corrosion.	Additional amount: 2 - 4% according to dosage of reaction starter.	0,5 kg 25,0 kg



Anchor head during injection
with HydroStop AcriGel 730 / HydroStop AcriBlend 740

PUR-gel

HydroStop Polygrout 850 - Consolidation and stabilisation

High elastic PUR hydro gel. Concentrate!

Application:	Properties:	Comp.
Duct relining	Mixing ratio: 1 : 1 - 15 parts with water	30,0 kg
Slurry wall sealing	Processing time t-gel: depending on the amount of water	200,0 kg
Sheet pile sealing	Processing temperature: >5°C	
Curtain sealing	Density: 1,1 g/ml (20°C)	
Construction sealing	Viscosity: 800 - 1800 cSt (at 20°C)	
Water stop	Swellability: 100%	

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 576

Auxiliary material: SealMortar 1130, Tempseal 480

HydroStop AcriGel 860 - Suitable for standard 2 C machines MV 1 : 1

High elastic PUR hydro gel. Concentrate!

Application:	Properties:	Comp.
Duct relining	Mixing ratio: 1 : 1 - 2 parts with water	30,0 kg
Slurry wall sealing	Processing temperature t-gel: depending on the amount of water	200,0 kg
Sheet pile sealing	Processing temperature: > 5°C	
Curtain sealing	Suitable for the use in drinking water. (KTW-certificated)	
Construction sealing		
Water stop		

Clean and care agent: AquaSolv 720, HydroMoll 722

Accelerator: Hydrolist 576

Auxiliary material: SealMortar 1130, Tempseal 480

Process PUR Gel with standard 2 c injection machines?

AcriGel PU 860 is operated in the user-friendly ratio of 1 : 1 and can be processed with any standard 2-Component machine.

Silicate gel

PurSeal Si 911

Silica based hydro gel for underground work sealings

Application:

Consolidation and stabilisation
Bottom sealing
Waste disposal sealing

Properties:

Mixing ratio: depending on reaction time
Processing time t-gel: variable
Density A: 1,4 - 1,5 g/ml (20°C)
Density B: 1,2 - 1,3 g/ml (20°C)
Viscosity A: 1300 cSt +/-200 (at 20°C)
Viscosity B: 1 - 3 cSt (at 20°C)
PH-value A: 10 - 11,5
PH-value B: 1 - 3
Suitable for the use in drinking water. (KTW-certificated)

Comp. A
200,0 kg
1.000,0 kg

Comp. B
200,0 kg
1.000,0 kg



Bottom sealing with PurSeal SI 911 & AquaSoil 717 Integra

Organo Mineral Resin

HydroStop OM 791

Fast reacting organo-mineral resin with high stability.

Application: Structure consolidation at tunnelling. Sealing injection at big water pressure Anchor technique	Properties: Mixing ratio: 1:1 by volume	Comp. A 33,0 kg
	Processing time t-gel: 4 - 5 minutes (at 20°C) Hardening time: 10 - 15 minutes	264,0 kg
	Density: Comp. A 1,35 - 1,45 g/ml, Comp. B 1,0 - 1,15 g/ml (at 20°)	Comp. B
	Viscosity: Comp. A 400 - 1100 cSt, Comp. B 150 - 300 cSt (at 20°C)	28,0 kg 250,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

HydroStop OM 793 - small foam factor

Fast reacting, weak foaming organo mineral resin with high stability.

Application: Structure consolidation Sealing injection at big water pressure Anchor technique	Properties: Mixing ratio: 1:1 by volume	Comp. A 33,0 kg
	Processing time t-gel: 4 - 5 minutes (at 20°C) Hardening time: 10 - 15 minutes	264,0 kg
	Density: Comp. A 1,35 - 1,45 g/ml, Comp. B 1,0 - 1,15 g/ml (at 20°)	Comp. B
	Viscosity: Comp. A 400 - 1100 cSt, Comp. B 150 - 300 cSt (at 20°C)	28,0 kg
	Foaming: Yes, factor 4 - 5	250,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

HydroStop OM 794 - high foam factor

Fast reacting, strong foaming organo mineral resin with high stability.

Application: Structure consolidation Sealing injection at big water pressure Anchor technique	Properties: Mixing ratio: 1:1 by volume	Comp. A 33,0 kg
	Processing time t-gel: 4 - 5 minutes (at 20°C) Hardening time: 10 - 15 minutes	264,0 kg
	Density: Comp. A 1,35 - 1,45 g/ml, Comp. B 1,0 - 1,15 g/ml (at 20°)	Comp. B
	Viscosity: Comp. A 400 - 1100 cSt, Comp. B 150 - 300 cSt (at 20°C)	28,0 kg
	Foaming: Yes, factor 12 - 15	250,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

Organo mineral resin solidify brittle rock and stop quickly flowing, pressurised water. The adhesion to mineral objects is very good. The stone-like bodies harden shrinkage free, without forming pores. The material is fully loadable after short time and can also be used as an anchor resin.

Organo Mineral Resin

FloorInject 795

Stabilises bottom plates, traffic areas and fundaments.

Application:

Lifting of industrial floors and driving surfaces exact to the millimetre.

Properties:

t-gel: between 3 seconds & 3 minutes (20°C)
 Final strength: 3 - 5 Minutes
 Hardening time: 3 - 10 Minutes
 Accelerated: t-gel 30 Seconds, final strength <2 minutes
 Reaction product: hard elastic, shrinkage-free
 Bond strength: a. 5 N/mm²
 Compressive strength: 60 - 75 N/mm²
 No foaming, no shrinkage

Comp.

26 kg

260 kg

Comp.

21,0 kg

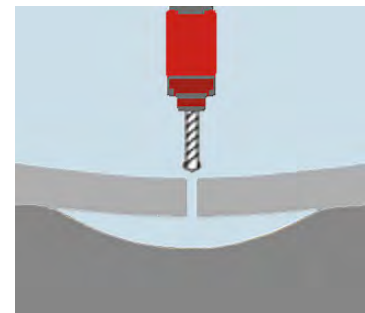
210,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

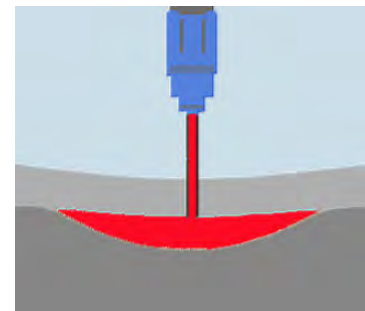
FloorInject

An organo mineral resin with high resistance and homogeneous structure, developed especially for backfilling, shoring and lifting of floor areas, driving surfaces and fundaments. Defined reaction without side reaction. No past foaming, preciseto handle.

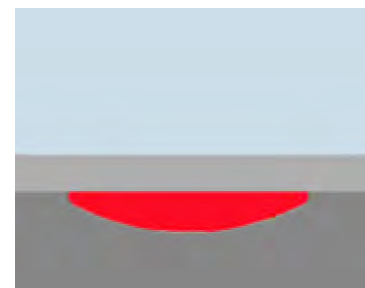
Application with standard 2 C high pressure pumps, mixing ratio 1 : 1, controlled by laser guided light barriers.



Step 1: Drill



Step 2: Injection



Step 3:
Straight! Stable! Perfect!

Mineral Injection

SILEKS-Suspension 1131

Injection mortar for fissured walls with excavations

- ▶ resistant against sulphate and other salts
- ▶ shrink compensated,
- ▶ hydrophobic, transports no water
- ▶ excellent surface adhesion, high stability
- ▶ easy to pump



Sileks Suspension 1131

Drill hole slurry and injection mortar. No shrinkage, no sedimentation and excellent surface adhesion

Application:

Excavation filling at fissured masonry.
Injection of cracks and cleavages.
Pre-injection with Suspension 1131 avoids uncontrolled running of the actual injection agent.

Properties:

Mixing ratio: 10 - 11 Litre water to 20 kg Suspension 1131
Processing time t-gel: about 60 Minutes (at 20°C)
Processing temperature: +5°C - +30°C
Bulk density: 0,9 kg/dm³
Green mortar gross density: 1,8 kg/dm³
Bending tensile strength: 1 day about 2,7 N/mm²
Bending tensile strength: 7 days about 3,5 N/mm²
Compressive strength: 1 day about 10 N/mm²
Compressive strength: 7 days about 30 N/mm²
Potential volume change: none (DIN 4227, part 5)
Consumption: about 1,9 kg each litre void volume

Comp.
20,0 kg

Clean and care agent: Water

Auxiliary materials: CemSeal 1156

Injection glue for historic building substances

Kalsil 1172 - stress-relieved injection glue

Injection- and backfill mortar for crack- and excavation filling of historic buildings.

Application:

Excavation filling at fissured masonry.
Injection of cracks and cleavages
Restoration of natural stones with low stability

Properties:

Mixing ratio: clean water as necessary
Processing time t-gel: about 60 minutes (at 20°C)
Processing temperature: +5°C - +30°C
Bulk density: 0,8 kg/dm³
Spreading rate: 1,0-1,1 Litre injection glue / kg solid matter
Minimum strength: 5 N/mm²
Maximum strength: 15 N/mm²

Comp.
25,0 kg

Clean and care agent: Water

Auxiliary materials: -

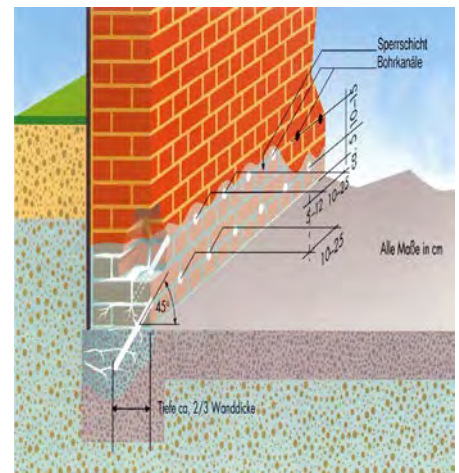
HYDROPHOBISING

Horizontal barrier

HydroStop horizontal barrier

- ▶ contra capillary rising damp
- ▶ also suitable for water saturated building materials
- ▶ for permanent dry walls

HydroStop - horizontal barriers and sealing agents stop capillary rising of humidity and ensure dry walls. Durable!



HydroStop SI 909 - Concentrate

Reactive siloxane concentrate for horizontal barriers

Application:
Horizontal barrier
maximum moisture penetration
grade 99%

Properties:
Mixing ratio: 1:6 - 1 : 15 (with water)
Processing time t-gel: Not applicable
Processing temperature: > 0°C
Density: 1,01 gr/ml (20°C)
Viscosity: app. 2 cSt (20°C)
Solvent-free

Packing
25,0 kg
200,0 kg

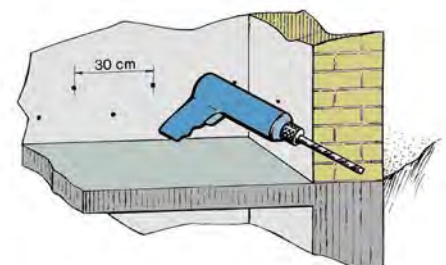
Clean and care agent: Water

Accelerator: -

Auxiliary material: SealMortar 1130, Sileks Suspension 1131, Tröppel-injection container 019

For horizontal sealings
also water saturated building materials!

HydroStop SI 909
Certificated after WTA guidelines.



Horizontal barrier

HydroStop 915 Diffusion - Injection paste (creme)

A new generation of concentrated creamy injection materials against rising damp. Unique - 100% active component!

Application:	Properties:	Packing
Horizontal barrier maximum moisture penetration grade 95%	Mixing ratio: ready for use Processing time t-gel: not applicable Processing temperature: > 0°C - 30°C Density: 0,93 kg/l (20°C)	Cartridge 310 ml 11 Litre bucket

Clean and care agent: AquaSolv 720

Equipment: Hand pump AM-003, Set AM-001, Extension nozzle 083, Filling aid 077, Drilling hole Protection cap 082

Auxiliary materials: SealMortar 1130, Sileks Suspension 1131

**Advantages: Injection cream is very easy to use, without expensive equipment.
Diffusion 915 is also used successfully in wet walls.**

The product consists only of the concentrated active component and contains no blending agents, water or solvents.

HydroStop Si 900

Classic injection material for horizontal barriers after WTA. Hydrophobic and silification!

Application:	Properties:	Packaging
Horizontal barrier maximum moisture penetration grade 60%	Mixing ratio: ready to use Processing time t-gel: not applicable Processing temperature: > 0°C Density mixed: 1,40 gr/ml (20°C)	12,5 kg 225,0 kg

Clean and care agent: Water

Accelerator: -

Auxiliary material: Tröppel-injection container 019, SealMortar 1130, Sileks Suspension 1131

HydroStop Si 905- Concentrate

Classic injection material for horizontal barriers after WTA. Hydrophobic and silification!

Application:	Properties:	Packaging
Horizontal barrier maximum moisture penetration grade 60%	Mixing ratio: 1 : 4 (A : Water) Processing time t-gel: Not applicable Processing temperature: > 0°C Density mixed: 1,40 gr/ml (20°C)	12,5 kg 225,0 kg

Clean and care agent: Water

Accelerator: -

Auxiliary material: Tröppel-injection container 019, SealMortar 1130, Sileks Suspension 1131

Horizontal barrier

HydroStop Si 906 SMK - Concentrate

Silicone micro-emulsion for horizontal barriers. Solvent free.

Application:	Properties:	Packaging
Horizontal barrier maximum moisture penetration grade 80%	Mixing ratio: 1 : 10 (A : Water) Processing time t-gel: Not applicable Processing temperature: > 0°C Density mixed: 0,98 gr/ml (20°C)	25,0 kg 200,0 kg 950,0 kg

Clean and care agent: Water

Accelerator: -

Auxiliary material: Tröppel-injection container 019, SealMortar 1130, Sileks Suspension 1131

HydroStop Si 907 "Penetrin"

High active siloxane for horizontal barriers. Excellent penetration properties in dense and fine-pored building materials.

Application:	Properties:	Packaging
Horizontal barrier maximum moisture penetration grade 80%	Mixing ratio: Ready for use Processing time t-gel: Not applicable Processing temperature: > 0°C Density mixed: 0,81 - 0,85 gr/ml (20°C)	10,0 kg 200,0 kg

Clean and care agent: Water

Accelerator: -

Auxiliary material: Tröppel-injection container 019, SealMortar 1130, Sileks Suspension 1131

Tröppel Injektionsbehälter 019

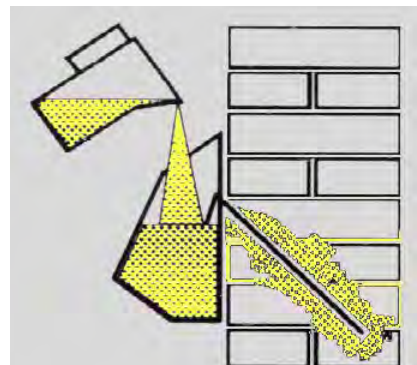
Classic injection material for horizontal barriers after WTA. Hydrophobic and silification!

Application:	Properties:	Packaging
Pressure-less horizontal barriers max moisture penetration 50%	Injection cask for 750 ml	loose

Suitable for horizontal barriers with: HydroStop Si 900, SI 905, SI 706, SI 907, SI 709

The Tröppel System – used for pressure-less injections, suitable for all HydroStop-Si qualities

- ▶ brilliant simple to use
- ▶ safe function
- ▶ self-regulating
- ▶ multiple usable



Preservation of structures - Fluat

Sileks Fluat 1144 - removes salts and mould, hardens and solidifies surfaces

Restoration of surfaces. Removes salts, mould and musty smell.

Application: Destroys damaging salts Neutralises alkaline surfaces Prevents staining Eliminates mould and musty smell Strengthens and hardens brittle plaster and cement-based building materials.	Properties: Density: 1,12 - 1,14 g/ml (20°C) PH: 1,8 - 2 Thinning: 1 : 2 - 1 : 4 with water Application: With brush minimum 2 luscious applications	Packaging 10,0 kg
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Clean and care agent: -
Accelerator: -

Sileks Fluat 1144 for consolidation and salt neutralisation.
Avoids development of stains and removes mould an musty smell.

Hydrophobising agent for mortar and cement

Rocsil 931 - Mass hydrophobising of concrete, plaster,..

Cement reactive emulsion for inner hydrophobising of plaster and cement based building materials.

Application: Construction of durable water repellent mineral building materials like concrete, plaster, mortar, e.g.	Properties: Mixing ratio: 1 Component Density : 1,05 g/l (20°C) PH-value: 6-9 Additional amount: 1 - 3% relating to concrete Mode of action: stops capillary sucking chemically	Packaging 10,0 kg 25,0 kg
Can be combined with HydroStop M 1159.		

Rocsil-1131 combines simple application with long term protection against

- ▶ Water absorption
- ▶ Blooming
- ▶ Algae growth
- ▶ Mould
- ▶ Frost and de-icing salt damages
- ▶ Carbonation

Rocsil-1131 aoids capillary water transport. Building materials are getting hydrophobic with Rocsil-1131 - and stay dry!

Surface hydrophobising

Silicones, Siloxane and Silane
for each application the perfect product:

- ▶ **pasty silicone cream**
- ▶ **thin liquid, reactive siloxane solution**
- ▶ **diluted, self-linked silane solution**

Impregnation of mineral surfaces



Wall

HydroStop Si 940 - Cream

Hydrophobising cream made of silane - with excellent penetration.

Application: Concrete and porous concrete Fibre-cement works Sand-lime brick Natural stone (absorbent) Mineral plaster Bricks (not glazed ceramic)	Properties: Mixing ratio: ready for use Consumption: 0,2 kg/m ² Density: 1,0 g/ml (at 20°C) Application: Airless, brush, roll, trowel or spattle Use only on walls.	Comp. 11 Litre
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Clean and care agent: Water

HydroStop SI 941

Reactive siloxane diluent for hydrophobising of building materials. No filming, diffusion-open.

Application: Hydrophobising of mineral sucking building materials. Anchored by chemical bonding and reaction on the substrate.	Properties: Mixing ratio: ready for use Processing time t-gel: not applicable Processing temperature: > 0°C Density mixed: 0,85 g/ml (20°C) Use only on walls.	Comp. 12,5 kg 225,0 kg
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Clean and care agent: AquaSolv 720

HydroStop SI 942 Aqua

Reactive, solvent free siloxane diluent for hydrophobising of building materials. No filming, diffusion-open. Environmentally neutral.

Application: Hydrophobising of mineral sucking building materials.	Properties: Mixing ratio: ready for use Processing time t-gel: not applicable Processing temperature: > 0°C Density mixed: 0,99 g/ml (20°C) Use only on walls.	Comp. 25,0 kg 200,0 kg
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Clean and care agent: Water

Surface hydrophobising

Floor + Walls

Bloxil - Fluid 943 - Impregnation and stain protection

Fluor-silane. Protects Natural- and artificial stones of (nearly) all kind of stains.

Application: Hydrophobising of mineral sucking building materials. Water, oil and grease repellent impregnation of absorbent, mineral building materials, natural and artificial stones.	Properties: Mixing ratio: ready for use Processing time t-gel: not applicable Processing temperature: > 0°C Processing: Spraying, brush, rolling Consumption: 0,05 - 0,2 kg/m ² depending on surface Diffusion-open: yes Suitable for floor and wall	Comp. 10,0 kg
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Clean and care agent: Water

Auxiliary materials: CleanRock 1115

HydroStop-Impregnation keep mineral building materials dry. protect them against sedimentation, blooming and frost damages.

Arguments for hydrophobising with HydroStop and Bloxil

- ▶ Driving rain proof surfaces
- ▶ Prevent growing of algae and moss
- ▶ Dust and dirt are rinsed of without adhesion
- ▶ Improves thermal insulation and lowers energy costs

SOIL STABILISATION

for cohesive soils

RokBond Soil Binder SB 1183 - up to -10°C, fast setting

Binding agent for cohesive soils in mix and place technique

Application: Solidification of cohesive soils. Production of polymer concrete with high strength and rapid setting time even at low °C.	Properties: Mixing ratio: 2 Component 1 : 1 Density: About 1,05 g/ml (at 20°C) Viscosity: About 200 - 300 cSt (at 20°C) Moisture-sensitive: No, no foaming	Comp. A
		25,0 kg 1000,0 kg
		Comp. B
		25,0 kg 1000,0 kg

Clean and care agent: Water

for sand with fine particles

BOROKS AC-1209 - Low-viscosity for injection or impregnation. Also for very wet building materials!

Stabilises and consolidates soil and building materials.

Application: Consolidates building materials and structures Stabilises soil	Properties: Mixing ratio: 100 : 2-4 parts Processing time t-gel: 35-45 Min, 20°C Viscosity: 1-10 cSt (20°C) Density mixed: 0,98 g/ml (20°C) Basis: Methacrylate UV-resistant: Yes Hydrophilic: Mixable with water, also suitable for very wet building materials Solid content: 100%	Packaging
		20,0 kg 200,0 kg

Clean and care agent: Water

AquaSoil 1220 i - Excellent penetration into fine structures, fast setting.

Low-viscosity, hydroactive injection resin for solidification and stabilisation.

Application: Consolidates building materials and structures Stabilises soil	Properties: Mixing ratio: 1 C System Basis: Polyurethane Processing time t-gel: no classic reaction time Viscosity: 120 - 200 cSt (20°C) Density mixed: 1,06 - 1,10 g/ml (20°C) Improves compressive strength, flexural strength, E-Modul	Packaging
		20,0 kg 200,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722

AquaSoil 717 Integra

Soil and building materials stabilisation.

Application: Consolidation and stabilisation of building materials and sand with fine particles. Stabilisation and sealing of mineral building materials.	Properties: Mixing ratio: Ready to use Processing time t-gel: No classic reaction time Density: 1,1 g/ml (at 20°C) Viscosity: 50 cSt (at 20°C)	Packaging 25,0 kg 200,0 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722

for soil with pore volume

PurSeal Si 911

Silicate hydro gel for sealings in civil engineering.

Application: Consolidation and stabilisation Bottom sealing Waste disposal sealing	Properties: Mixing ratio: depending on reaction time Processing time t-gel: variable Density A: 1,4 - 1,5 g/ml (20°C) Density B: 1,2 - 1,3 g/ml (20°C) Viscosity A: 1300 cSt +/-200 (at 20°C) Viscosity B: 1 - 3 cSt (at 20°C) PH-value A: 10 - 11,5 PH-value B: 1 - 3	Comp. A 200,0 kg 1.000,0 kg
	Suitable for the use in drinking water. (KTW-certificated)	Comp. B 200,0 kg 1.000,0 kg

Clean and care agent: Water

HydroStop OM 791

Fast reacting organo-mineral resin for injections. High stability.

Application: Structural consolidation at tunnelling Sealing injections at great water inrush Anchor technology	Properties: Mixing ratio: 1:1 by volume Processing time t-gel: 4 - 5 minutes (at 20°C) Hardening time: 10 - 15 minutes Density: Comp. A 1,35 - 1,45 g/ml, Comp. B 1,0 - 1,15 g/ml (at 20°) Viscosity: Comp. A 400 - 1100 cSt, Comp. B 150 - 300 cSt (at 20°C)	Comp. A 33,0 kg 264,0 kg
		Comp. B 28,0 kg 250,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

HydroStop OM 793 - small foam factor

Fast reacting organo-mineral resin for injections. High stability.

Application: Structural consolidation at tunnelling Sealing injections at great water inrush Anchor technology	Properties: Mixing ratio: 1:1 by volume Processing time t-gel: 4 - 5 minutes (at 20°C) Hardening time: 10 - 15 minutes Density: Comp. A 1,35 - 1,45 g/ml, Comp. B 1,0 - 1,15 g/ml (at 20°) Viscosity: Comp. A 400 - 1100 cSt, Comp. B 150 - 300 cSt (at 20°C) Foaming: Yes, factor 4 -5	Comp. A 33,0 kg 264,0 kg
		Comp. B 28,0 kg 250,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

HydroStop OM 794 - high foam factor

Fast reacting, strong foaming organo-mineral resin for injections. High stability

Application: Structural consolidation Sealing injections at great water inrush Anchor technology	Properties: Mixing ratio: 1:1 by volume	Comp. A 33,0 kg
	Processing time t-gel: 4 - 5 minutes (at 20°C)	264,0 kg
	Hardening time: 10 - 15 minutes	
	Density: Comp. A 1,35 - 1,45 g/ml, Comp. B 1,0 - 1,15 g/ml (at 20°)	Comp. B 28,0 kg
	Viscosity: Comp. A 400 - 1100 cSt, Comp. B 150 - 300 cSt (at 20°C)	250,0 kg
	Foaming: Yes, factor 12 - 15	

Clean and care agent: AquaSolv 720, HydroMoll 722

Sileks Suspension 1131 - mineral injection

Bore hole suspension and injection mortar. No shrinkage, no sedimentation and very good surface adhesion.

Application: kgCavity filling in fissured masonry Injection of cracks and cleavages Pre-injection with Suspension 1131 avoids uncontrolled discharge of the actual injection medium	Properties: Mixing ratio: 10 - 11 Litre water for 20 kg Suspension 1131	Packaging 25,0 kg
	Processing time t-gel: about 60 minutes (at 20°C)	
	Processing temperature: +5°C - +30°C	
	Bulk density: 0,9 kg/dm ³	
	Fresh mortar bulk density: 1,8 kg/dm ³	
	Bending tensile strength: 1 day about 2,7 N/mm ²	
	Bending tensile strength: 7 days about 3,5 /mm ²	
	Compressive strength: 1 day about 10 N/mm ²	
	Compressive strength: 7 days about 30 N/mm ²	
	Potential volume change: None (DIN 4227, part 5)	
	Consumption: about 1,9 kg per Litre void volume	

Clean and care agent: Water
Auxiliary materials: CemSeal 1156

HydroStop Foam 516

Fast 2 component foam with high foam factor. Fine cellular, tight and very hard.

Application: Sealing Backfilling Joints Cracks Excavation Tunnelling Mining	Properties: Mixing ratio: 1 : 1 by volume	Comp. A 9,3 kg
	Starting time: 60 - 80 s at 20°C	28,0 kg
	Setting time: 2 - 4 minutes	200,0 kg
	Viscosity: ~ 450 - 550 cSt (20°C)	
	Density: 1,05 g/ml (20°C)	Comp. B 10,6 kg
	Foam factor: > 20	32,0 kg
		220,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: Hydrolist 514

SEALING MEMBRANE

Cement Sealing Membrane

CemSeal M 1145

Sealing membrane for surface sealing on mineral surfaces, against water. Alternatively also with special polymer component!

Application: Hard but viscoplastic coating against positive and negative water pressure.	Properties:	Comp. A
	Mixing ratio: 100 : 40 (with water or with CemSeal 1145 B)	25,0 kg
	Processing time: 90 minutes at 20°C	
	Density: 2,2 + 0,2 g/ml fresh mortar	Comp. B
	Consumption: 2,2 kg/m ² for 1 mm layer thickness	10 kg
	Minimum layer thickness: 2,5 mm	
	Diffusion resistance: 800 - 1000 (steam)	
	Water tightness: Until max. 7 bar - with the use of CemSeal 1145-B	
	Sulphate resistance: Yes	
	Suitable for walls. For floors only with wear protection.	

Clean and care agent: Water

Auxiliary materials: CemSeal 1156 on strong sucking surfaces as primer (1:3 diluted with water)

CemSeal 947 flex

Highly flexible, polymer modified sealing membrane for surface sealing on mineral undergrounds. With Sileks polymer!

Application: Indoor sealing of concrete boxes. Crack risked surfaces of walls. Sealing of roadways, parking decks, etc. below the top cover.	Properties:	Comp. A
	Mixing ratio: 100 : 40 by weight (A : B)	25,0 kg
	Processing time: 90 minutes at 20°C	
	Density: 2,2 gr/ml fresh mortar	Comp. B
	Consumption: 2,2 kg/m ² for 1 mm layer thickness	10 kg
	Minimum layer thickness: 2,5 mm	
	Diffusion resistance: 1100 - 1100 (steam)	
	Water tightness: until max. 7 bar	
	Crack bridging: until 1000 m (1 mm)	
	Suitable for walls. For floors only with wear protection.	

Clean and care agent: Water

Auxiliary materials: CemSeal 1156 on strong sucking surfaces as primer (1:3 diluted with water)

In case of strong sucking surfaces, a pre-coat with CemSeal 1156 (diluted 1:3 with water) prevents deflagration of the sealing membrane.

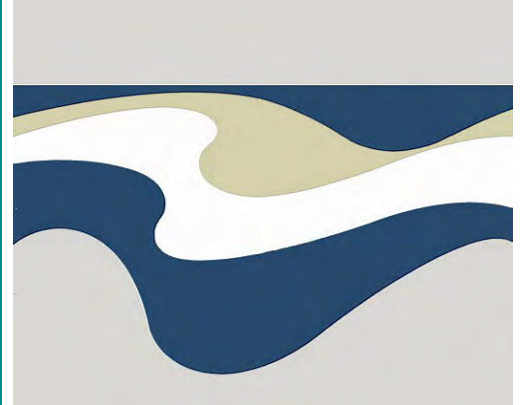
CemSeal 1156 is the perfect adhesion agent for critical surfaces like e.g. mixed masonry, crystalline stonework, etc. CemSeal sealing membranes do not adhere to dispersion paints.

Existing dispersion paints and plaster can be removed easily with **Paintstripper 2** (our special paint stripper for latex paints).

Epoxy Sealing Membrane

CemSeal EPW 1063

- ▶ Damp open surface sealing and highly resilient floor coating.
- ▶ Tested* and absolutely waterproof till 7 bar waterpressure from the negative side!
- ▶ Easy to apply, with excellent adhesion even on wet concrete.



CemSeal EPW 1063 - also available in white

Surface sealing on concrete surfaces made of epoxy technology. High abrasion resistance and fit for traffic.

Application:	Properties:	Comp. A
Negative sealing for extreme, rear water pressure	Mixing ratio: 1 : 1 (A : B)	1,0 kg
Rigid sealing of floor space, also suitable as coating in underground parking.	Density mixed: 1,70 g/ml	20,0 kg
	Consumption: 3,4 kg/m ² for 2 mm layer thickness (minimum layer thickness)	Comp. B
	Processing time: t-gel 30 - 40 minutes (20°C)	1,0 kg
	Curing time: app. 12 hours	20,0 kg
	Diluting agent: water	
	Colour: concrete grey, white	
	Diffusion open: Yes	

Clean and care agent: AquaSolv 720
Auxiliary materials: Special Primer 1067



CemSeal 1063: adheres to the surface even without primer. As bonding course between old and fresh concrete during repairs, it's effect is unbeatable.

Adhesion: Excellent!
Concrete break at 5 kN

Epoxy Sealing Membrane

CemSeal EPW 1066 - sulphate resistant

Surface sealing for concrete made of epoxy resin. High abrasion resistance, fit for traffic, better acid resistance.

Application:	Properties:	
Negative sealing for extreme, rear water pressure	Mixing ratio: 1 : 1 (A : B)	Comp. A
	Density mixed: 1,70 g/ml	1,0 kg
	Consumption: 3,4 kg/m ² for 2 mm layer thickness (minimum layer thickness)	20,0 kg
Rigid sealing for floors, also suitable as coating in underground parking	Processing time: t-gel 30 - 40 minutes (20°C)	Comp. B
	Curing time: About 12 hours	1,0 kg
	Diluting agent: Water	20,0 kg
Sulphate resistant for use in food and beverage industry, bakeries, breweries and dairies.	Colour: Concrete grey, white	
Sewage drain reconstruction	Diffusion open: Yes	
	Anti mould	

Clean and care agent: AquaSolv 720

ADHESIVE REINFORCEMENT

Laminates made of CFK and GFK

Adhesive reinforcements made of carbon fibre reinforced plastic and glass fibre mats, reinforce concrete structures.

- ▶ Static reinforcement and repair
- ▶ Strengthening of reinforcement
- ▶ Reconstruction of cracked surfaces
- ▶ Shock absorption
- ▶ Seismic guarding



Binding agent and mortar for laminate

Silocs 1036 HT

Epoxy resins for laminates with Duroks Carbogrid (carbon grid). Resistant up to 80°C.

Application: Heat-resistant epoxy resin for laminating of Carbon Mesh (Carbotex 361) Glass fibre mats (Glas Fleece 1226)	Properties: Mixing ratio: 2 : 1 Density: About 1,28 - 1,32 g/ml (at 20°C) Viscosity: Shear thinning Colour: Grey Processing time: ~ 60 minutes at 20°C	Comp. A 10,0 kg Comp. B 5,0 kg
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Clean and care agent: AquaSolv 720

Laminate: Duroks Carbotex 361, Duroglass Glass Fleece 1226

Silocs 1036 HT-Thix - stable for walls

Epoxy resins for laminates with Duroks Carbogrid (carbon grid). Resistant up to 80°C.

Application: Heat-resistant epoxy resin for laminating of vertical areas Carbon grid (Carbogrid 360)	Properties: Mixing ratio: 2 : 1 Density: About 1,28 - 1,32 g/ml (at 20°C) Viscosity: Shear thinning Colour: Grey Processing time: ~ 60 minutes at 20°C	Comp. A 10,0 kg Comp. B 5,0 kg
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Clean and care agent: AquaSolv 720

Laminate: Duroks Carbogrid 360

Laminates made of CFK and GFK

Binding agent and mortar for laminate

Silocs 1037 Penetrating primer

Epoxy primer / penetrating primer for solidification in the area of adhesion.

Application: Solidification of the concrete structure in the area of adhesion	Properties:	Comp. A
	Mixing ratio: 2 : 1	10,0 kg
	Density: About 1,1 g/ml (at 20°C)	
	Viscosity: About 180 - 200 mPa.s (20°C)	Comp. B
	Processing time: ~ 40 minutes at 20°C	5,0 kg

Clean and care agent: AquaSolv 720
Laminate: Duroks Carbogrid 360

CemSeal EPW 1063 - available also in white

Epoxy spattle for carbon fibre mesh.

Application: Laminates with Carbon mesh (Carbogrid 360)	Properties:	Comp. A
	Mixing ratio: 1 : 1 (A : B)	1,0 kg
	Density mixed: 1,70 g/ml	20,0 kg
	Consumption: 3,4 kg/m ² for 2 mm layer thickness (minimum layer thickness)	
	Processing time: 30 - 40 minutes at 20°C	Comp. B
	Setting time: About 12 h	1,0 kg
	Diluent: Water	20,0 kg
Colour: Cement-grey, white		
Diffusion open: Yes		

Clean and care agent: AquaSolv 720
Laminate: Duroks Carbogrid 360
Auxiliary material: Spezialprimer 1067

CemSeal 1063 allows application on profiled surfaces, rough surfaces or masonry without preparatory work.

AquaFlex Kleber 1026 - suitable for wet surfaces

Epoxy mounting adhesive for carbon lamellas.

Application: Laminates with Carbon Lamellas (Sheets 162)	Properties:	Comp. A
	Mixing ratio: 1 : 0,35 by weight (A : B)	25,0 kg
	Colour: Light-grey	7,4 kg
	Consistency: Pasty and stable	
	Density: ~ 1,4 g/ml	Comp. B
	Processing time: 120-240 minutes (20°C)	8,6 kg
	35 - 40 minutes (30°C)	2,6 kg
	Processing temperature: +5°C - +40°C	
	Adhesion on wet surface: Yes	
	Consumption: 7 kg/m ² at 5 mm layer thickness	

Clean and care agent: AquaSolv 720
Laminate: Duroks Carbosheet 362

Laminates made of CFK and GFK

Binding agent and mortar for laminate

Mortar mixture with CemSeal 1156 - suitable for wet surfaces

High performance mortar for carbon mesh with high strength.

Application: Laminates with Carbon mesh (Carbogrid 360)	Properties: Comp. A: Sand mixture 270 with 3 parts cement Comp. B: CemSeal 1156 diluted with water 1:3 Alternatively, a concrete with fine ingredients can be used to which CemSeal 1156 is added.	Comp. A 25,0 kg Sand
		Comp. B 10,0 kg 25,0 kg

Clean and care agent: AquaSolv 720
Laminate: Duroks Carbogrid 360

Binding agent for higher application temperatures

Silocs 1036 HT - Slow - delayed for processing at 30°C

Epoxy resins for laminates with Duroks Carbogrid (carbon grid). Resistant up to 80°C.

Application: Heat-resistant epoxy resin for laminating of Carbon Mesh (Carbotex 361) Glas fibre mats (Glas Fleece 1226)	Properties: Mixing ratio: 2 : 1 Density: About 1,28 - 1,32 g/ml (at 20°C) Viscosity: Shear thinning Colour: Grey Processing time: ~ 20 minutes at 20°C	Comp. A 10,0 kg
		Comp. B 5,0 kg

Clean and care agent: AquaSolv 720
Laminate: Duroks Carbotex 361, Duroglass Glas Fleece 1226

Silocs 1036 HT-Thix-Slow - stable for walls + delayed for processing at 30°C

Epoxy resins for laminates with Duroks Carbogrid (carbon grid). Resistant up to 80°C.

Application: Heat-resistant epoxy resin for laminating of vertical areas Carbon Grid (Carbogrid 360)	Properties: Mixing ratio: 2 : 1 Density: About 1,28 - 1,32 g/ml (at 20°C) Viscosity: Shear thinning Colour: Grey Processing time: ~ 20 minutes at 20°C	Comp. A 10,0 kg
		Comp. B 5,0 kg

Clean and care agent: AquaSolv 720
Laminate: Duroks Carbogrid 360

Silocs 1036 HT for ambient temperatures up to 80°C.

Silocs 1036 HT-Slow for application >20°C.

Silocs 1036 HT-Thix is stable and ideal for vertical surfaces in larger layer thickness.

Laminates made of CFK and GFK

	Carbon Lamellas Duroks Carbosheet 362	Carbon Grid Duroks Carbogrid 360	Carbon Mesh Duroks Carbotex 361	Glasfaser Mat Duroglass 1026
AquaFlex Glue 1026	●			
CemSeal 1063		●		
Silocs 1036-HT			●	●
Silocs 1036-HT Slow			●	●
Silocs 1036-HT Thix		●		
Silocs 1036-HT Thix Slow		●		
Mortar mixture with CemSeal 1156		●		

CFK - Carbon fibre reinforced plastic

Duroks Carbogrid 360 - Carbon Grid

Carbon grid with large mesh spacing for easy installation.

Application: Strengthening of reinforcement Better statics Reconstruction of cracked surfaces Shock absorption Seismic guarding	Properties: Carbogrid 360.17 Weight: 170 g/m ² Mesh width: 50/50 mm ² Strength longitudinal / transverse: 70/85 kN/m	Roll: Width: 1,25 m Length: 25 m
	Properties: Carbogrid 360.30 Weight: 270 g/m ² Mesh width: 30/30 mm ² Strength longitudinal / transverse: 105/135 kN/m	
	Properties: Carbogrid 360.60 Weight: 800 g/m ² Mesh width: 10/18 mm ² Strength longitudinal / transverse: 328/250 kN/m	

Laminating resin: CemSeal 1063, Silocs 1036 HT-Thix, Silocs 1036 HT-Thix-Slow, Mortar mixture with CemSeal 1156

Duroks Carbosheet 362 - Carbon Lamellas

Carbon Lamellas for static improvement.

Application: Better statics Strengthening of reinforcement Reconstruction of cracked surfaces Shock absorption Seismic guarding	Properties: Width: 50 mm Thickness: 1,2 mm, 1,4 mm Tear strength: > 31100 Mpa E-Modul: > 170 GPa	Roll: Width: 50mm Length: 100m

Laminating resin: AquaFlex Glue 1026

Laminates made of CFK and GFK

CFK - Carbon fibre reinforced plastic

Duroks Carbotex 361 - Carbon Mesh

Carbon mesh for static improvement.

Application: Better statics Strengthening of reinforcement Reconstruction of cracked surfaces Shock absorption Seismic guarding	Properties: Texture: flat Surface weight: 530 g/m ² + 10% Chain 12K/24K Carbon Weft: Glass fibre Thickness: 0,294 mm Tensile strength: > 4,9 E-Modul: > 245 Elongation of break: > 1,8%	Roll: Width: 150 mm 300 mm 800 mm Length: 50 m
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Laminating resin: Silocs 1036 HT, Silocs 1036 HT-Slow

GFK - Carbon fibre reinforced plastic

Duroglass Fleece 1226 - Glass fibre mat

Glass fibre mat for production of laminates.

Application: Better statics Strengthening of reinforcement Reconstruction of cracked surfaces Shock absorption Seismic guarding	Properties: Duroglass Fleece 1226.1 Weight: 300 g/m ² Properties: Duroglass Fleece 1226.2 Weight: 450 g/m ²	Roll: Width: 1,25 m Length: 25 m
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Laminating resin: CemSeal 1063, Silocs 1036 HT-Thix, Silocs 1036 HT-Thix-Slow, Mortar mixture with CemSeal 1156

GLUE AND SEALING COMPOUND

Sealing Membrane Glue

AquaFlex Kleber 473 - Epoxy glue, suitable for wet surfaces

Mounting glue for AquaFlex Membrane 472

Application: Mounting of AquaFlex Membrane 572 even on wet surfaces Not suitable for gluing tape to tape	Properties: Mixing ratio: 1 : 1 (A : B) by volume Density mixed: 1,7 g/ml Processing time: 65 - 90 minutes (20°C)	Comp. A 3 x 1,5 kg
	Processing temperature: > 10°C Adhesion on concrete: 6 kN/mm ² Suitable for the use in drinking water. (KTW-certificated)	Comp. B 3 x 1,5 kg
		2C cartridges a 820 ml

Rocryl Kleber 519 - PMMA glue up to -10°C

Mounting glue for AquaFlex Membrane 472

Application: Mounting of AquaFlex Membrane 572, 576 below < 5°C or if fast setting times are needed.	Properties: Mixing ratio: 1 - 5 % Hardener Consistency: Pasty Density: 1,45 - 1,6 g/ml Processing time: 35 - 40 minutes (20°C) depends on the amount of accelerator and temperature Processing temperature: +40°C - -10°C, from 0°C additional use of Hydrolist 585 max. 2% Adhesion on wet concrete: No	Comp. A 10,0 kg 25,0 kg
		Comp. B 1,0 kg 10,0 kg 25,0 kg

Mounting accessories: Rocryl Hardener 530
Auxiliary materials: CemSeal 1063, Hydrolist 585

AquaFlex Kleber 1026 - Epoxy glue, suitable for wet surfaces

Mounting glue for AquaFlex Membrane 475 wit excellent starting tack.

Application: Mounting of AquaFlex Membrane 475	Properties: Mixing ratio: 1 : 0,35 by weight (A : B) Colour: Light-grey Consistency: Pasty and stable Density: ~ 1,4 g/ml Processing time: 120-240 minutes (20°C) 35 - 40 minutes (30°C) Processing temperature: +5°C - +40°C Adhesion on wet concrete: Yes Consumption: 7 kg/m ² at 5 mm layer thickness	Comp. A 25,0 kg 7,4 kg
		Comp. B 8,6 kg 2,6 kg

Building Glue

Silipox Baukleber 1024

Universal epoxy glue and spattling compound.

Application: Spattling compound Anchor and screw fixing Pressurised water sealing of tie points	Properties: Mixing ratio: 1 : 1 (A : B) after Volume Density mixed: 1,7 g/ml Processing time: 65 - 90 minutes (20°C) Processing temperature: > 10°C Concrete adhesion: 6 kN/mm ² Able for the use in drinking water. (KTW-certificated)	Comp. A 3 x 1,5 kg
		Comp. B 3 x 1,5 kg
		2C cartridges a 820 ml

Clean and care agent: AquaSolv 720
 Auxiliary material: Manuel gun 035

Permanent Elastic Sealing Compound

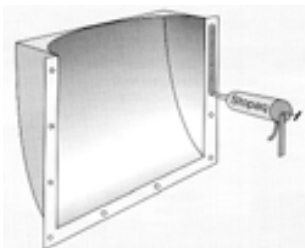
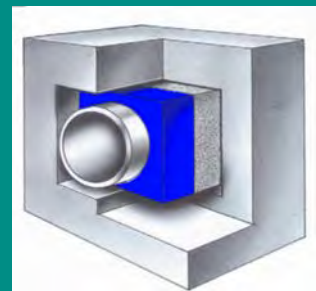
AquaSeal 566 - new, with tack-free surface

Permanent elastic, hydroactive sealant mastic for pipe and cable feedthroughs.

Application: Wall feed through Cable and pipe feed through Precast element connection Muff covering Clamp constructions	Properties: Mixing ratio: ready for use Characteristic: pasty, permanent elastic mastic Density: 1,65 - 1,7 g/ml Swellability in water: 40%	Packaging 310 ml Cartridge 12 Pieces / Carton
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AquaSeal 566 ● Permanent elastic

Slightly water swellable, deformable sealant mastic.
 Used for cable and pipe feedthroughs, muff covering
 and clamping construction and more.



Funnel sealed with AquaSeal 566

Spattle- and Repair Compound

UP-Steinspachtel 1213

Spattling compound, glue and repair material for artificial and natural stone, glue for mineral coatings. Simple processing and fast hardening.

Application: Repair of blow holes and pin holes, cavities and surface damages Application of mineral coatings Repair jobs where a short setting time is required	Properties: Mixing ratio: 3 : 0,1 (A:B) Density: 1,6 gr/ml	Comp. A 3,0 kg
	Processing temperature: 0°C - 40°C Setting time (2% Cat): 7 - 9 minutes at 20°C Application temperature: -40°C - +100°C Colour: grey-beige	Comp. B 0,3 kg

Clean and care agent: AquaSolv 720
 Auxiliary material: AquaFlex Primer 694

Rocryl 524 - Self-leveling grout and repair mortar

Plastic mortar and coating with short setting time. Fully loadable after 1 h.

Application: Industrial floors Traffic areas Reprofilling mortar Repair mortar Grout for anchors and piles	Properties: Mixing ratio: A: B 1:10 up to 1:15 Colour: light grey	Comp. A 2,50 kg
	Viscosity: depending on mixing ratio A:B, mortar - grout Processing time t-gel: ~15 Min, 20°C Setting time: 30 - 40 Min, 20°C after mixing, depending on layer thickness Bulk density: ~2,10 -2,15 kg/l Processing temperature: -10°C -+35°C Processing: Trowel, scraper Consumption: 250-800 g/m ² typical layer thickness > 3 - 4 mm, Upper limit for single layer application 10 - 15 mm	Comp. B 25,0 kg

Clean and care agent: AquaSolv 720
 Auxiliary material: Rocryl Base Coat 520

Joint Sealant - Crack Sealant

DuraFlex 876 - Liquid plastic for floor joints, UV-resistant

Flexible grout for filling and sealing of horizontal work and construction joints.

Application: Filling of indoor and outdoor floor joints Highly elastic joint compound with high stability and chemical resistance.	Properties: Basis: PUR Delivery form: 2 components Colour: concrete grey, RAL on demand	Comp. A 4,0 kg
	Density: 1,3 - 1,35 g/ml 20°C Processing time: about 60 minutes at 20°C Setting time: 18 - 24 h at 20°C Elongation: ~ 150% Shore hardness A : ~ 60 -65	Comp. B 1,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
 Auxiliary material: DuraFlex Primer 671

Joint Sealant - Crack Sealent

Rocryl 526 -PMMA, elastic!

Self-levelling, elastic grout for cracks and joints in floors.

Application:	Properties:	Comp. A
Cracks	Basis: PMMA	10,0 kg
Connections	Delivery form: 2 Components	30,0 kg
Working joints	Colour: natural or RAL	
In floors	Density: 1,0 g/cm ³ , 20°C	Comp. B
	Viscosity: 800 - 800 cSt	Rocryl 530
	Processing time: about 15 - 17 minutes at 20°C	
	Tack-free: 50 Min, slight mechanical loadable	
	Final strength: 24 h	
	Setting time 18 - 24 h at 20°C	

Clean and care agent: AquaSolv 720

Auxiliary material: Rocryl Base Coat 520

Rocryl 526 - Thix - PMMA, elastic , self-supporting.

Gel-like, elastic grout for cracks and joints in floors.

Application:	Properties:	Comp. A
Cracks	Basis: PMMA	10,0 kg
Connections	Delivery form: 2 Components	30,0 kg
Working joints	Colour: natural or RAL	
In floors	Density: 1,0 g/cm ³ , 20°C	Comp. B
	Shore Hardness A: 17 - 20	Rocryl 530
	Elongation at break 20°C: 100% (DIN 53479)	
	UV-resistant: 100%	
	Viscosity: gel-like, not flowing	
	Processing time: about 15 - 17 minutes at 20°C	
	Tack-free: 50 Min, mechanical easy loadable	
	Final strength: 24 h	

Clean and care agent: AquaSolv 720

Auxiliary material: Rocryl Base Coat 520, Screed needle 75

Rocryl 527 - non-positive

Low-viscous resin for grouting of cracks and screed needling.

Application:	Properties:	Comp. A
Grouting of cracks	Basis: PMMA	10,0 kg
Needling of cracks	Mixing ratio: 1% - 4% hardener Rocryl 530	30,0 kg
	Processing time t-gel: ~15 Min, 20°C, 2% hardener	
	Setting time: 2% Hardener, 20°C, 45 minutes after mixing	Comp. B
	Bulk density: ~1 g/cm ³ (20°C)	Rocryl 530
	Viscosity mixed: 100 - 120 cSt (23°C)	
	Flashing point: +10°C	
	Processing temperature: -10°C -+35°C	

Clean and care agent: AquaSolv 720

Auxiliary material: Screed needle 75

Sheet pile wall sealing

XR-370 - Sheet pile wall sealing

Liquid rubber for ambitious applications. High mechanical resistance in combination with 200% swellability!

Application: Sheet pile wall sealing	Properties: Mixing ratio: 100 : 30 (A : B) Processing time: 60 minutes at 20°C Setting time: 12-24 h Swellability: 200% Density: 1,35 +/- 25% (20°C) Elongation: app 1000% Excellent adhesion on surface	Comp. A 26,3 kg Comp. B 8,7 kg
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Clean and care agent: AquaSolv 720
Auxiliary material: AquaSeal 555

Epoxy Resin Coatings

Permeable coatings

- ▶ for damp and young concrete
- ▶ for not waterproofed surfaces where concrete is in direct contact with soil



Permeable

Silocs EPW 1056 - dilutable with water

Transparent epoxy impregnation agent for damp undergrounds. Permeable.

Application: Improvement of concrete areas by sealing or coating. Application as Adhesive bridge or primer below coloured pigmented coatings like Silocs EPW 1057/ Curing for fresh concrete	Properties: Mixing ratio: 2 : 1 (A : B) Consumption: 100 - 200 gr/m ² , on flat surfaces Density: 1,05 gr/ml Processing time: 120 minutes Thinning agent: Water Surface: Silky lustre Permeable: Yes	Comp. A 10,0 kg
		Comp. B 5,0 kg

Clean and care agent: Water (hot) + dish washing agent. Machine cleaning with AquaSolv 720, HydroMoll 722

Silocs EPW 1057

Coloured epoxy coating for damp undergrounds. Permeable.

Application: Abrasion proofed, decorative protection coating with good chemical resistance for mineral surfaces and mastic asphalt.	Properties: Mixing ratio: 4 : 1 (A : B) Consumption: 150 - 300 gr/m ² , on flat surfaces Density: 1,30 gr/ml Processing time: 120 minutes Thinning agent: Water Surface: Silky lustre Permeable: Yes Colours: Stone grey, white, sand beige, green RAL-colours on demand	Comp. A 20,0 kg
		Comp. B 5,0 kg

Clean and care agent: Water + dish washing agent.

Recommendation Silocs 1060 /1061:

For repair and levelling of damaged surfaces. Ideal below Silocs-1056 and -1057 decorative coatings.

Epoxy Resin Coatings

Permeable

Silocs 1060 D Spachtel - excellent adhesion, even on damp concrete

Wall + Floor

Epoxy resin spattle and glue with high strength. Permeable.

Application: Levelling-, glue-, sealing- and coating compound for walls and floor.	Properties: Mixing ratio: 2 : 1 (A : B) Density mixed: 1,70 gr/ml Processing time: 30 - 40 minutes at 20°C Setting time: About 12 hours Thinning agent: Water max. 5% Colour: Cement grey, special colours possible Permeable: Yes	Comp. A 4,0 kg
		Comp. B 2,0 kg 10,0 kg

Clean and care agent: Water + dish washing agent.

Silocs 1061 D Spattle - excellent adhesion, even on damp concrete

Floors

Epoxy resin spattle and glue with high strength. Permeable.

Application: Levelling-, glue-, sealing- and coating compound for floors.	Properties: Mixing ratio: 2 : 1 (A : B) Density mixed: 1,70 gr/ml Processing time: 30 - 40 minutes at 20°C Setting time: About 12 hours Colour: Cement grey, special colours possible Permeable: Yes	Comp. A 10,0 kg
		Comp. B 20,0 kg

Clean and care agent: Water + dish washing agent.

Silocs EPW 1058 - casting resin, self levelling, suitable for layers till 5 mm!

Self levelling coating.

Application: Casting resin with excellent levelling. Silky mat surface. Slip resistant.	Properties: Consumption: 1,70 kg/m ² per mm layer thickness Processing time: 30 - 50 Minutes by 20°C Density: 1,6 - 1,7 g/ml Stick free: after 24 h Processing temperatures: > +8°C Colours: RAL 7032, RAL 7030, RAL 1002, RAL 7016 anthracite, white grey. Special colours possible	Comp. A 25,0 kg
		Comp B 3,1 kg
		Filler 3,0 kg

Clean and care agent: Water (hot) + dish washing agent.

Primer: Silocs EPW 1056

Epoxy Resin Coatings

Non Permeable

Silocs 1050 - Casting resin and coating, self levelling

Coloured EP coating with excellent levelling: Solvent-free.

Application:	Properties:	
On concrete	Consumption: 1,50 kg/m ² per mm layer thickness	Comp. A 28,0 kg
On melted asphalt	Processing time: 30 - 40 minutes at 20°C	
On tiles	Hardening time: stick free after 12 - 15 hours at 20°C	Comp. B 6,75 kg
On old coatings	Walkable: > 24 h	
	Mechanical capacity: 36 - 48 h	
	Colours: RAL 7032, RAL 7030, RAL 7016, white grey.	Comp. C 1,0 kg
	Special colours possible	

Clean and care agent: AquaSolv 720

Auxiliary material: Silocs EPW 1056, Nanosil 906 Integra, DuraFlex TopCoat 881, DuraFlex TopCoat 882

Silocs 1073 NT - chemical resistant TopCoat

Flexible chemical resistant epoxy top coat.

Application:	Properties:	
Coating of industrial floors	Mixing ratio: 6 : 2 (A : B)	Comp. A 24,0 kg
Collecting basins in chemical plants	Processing time: app. 40 minutes at 20°C	
Waste water plants	Solid content of the mixture: 75%	
Flexible and waterproof coatings for balcony and terrace etc.	Density: 1,35 +/- 25% (20°C)	Comp. B 12,0 kg
	Elongation: app. 80%	
	Hardness (Shore D): 22	
	High chemical resistance	
	Excellent underground adhesion	

Clean and care agent: AquaSolv 720

Polyurethane Coatings

Non Permeable

DuraFlex 870 - casting resin and coating, Polyurethane, highly elastic

Coloured EP coating with excellent levelling: Solvent-free.

Application: on concrete on melted asphalt on tiles on old coatings Coating for inside and outside. Outside a Top coat is required.	Properties: Consumption: 1,30 kg/m ² per mm layer Processing time: 25 - 30 minutes by 20°C Hardening time: ~ 5 h at 20°C Density: ~ 1,3 g/ml Adhesive tensile strength: > 3 N/mm ² Dynamic crack bridging: 0 - 1,6 mm without crack creation by - 15°C Elongation of break: > 200% Colours: RAL 7032, RAL 7030, RAL 7016, white grey. Special colours possible	Comp. A 30,0 kg 1.200,0 kg
		Comp. B 8,1 kg 250,0 kg

Clean and care agent: AquaSolv 720

Auxiliary material: DuraFlex Primer 671, DuraFlex TopCoat 877, DuraFlex TopCoat 685

DuraFlex 875 - as DuraFlex 870, with aliphatic hardener. 100% light UV resistant!

Crack bridging high performance coating. Light-resistant!

Application: On concrete On melted asphalt On tiles On old coatings Coating for inside and outside. Outside a Top coat is required.	Properties: Consumption: 1,30 kg/m ² per mm layer Processing time: 25 - 30 minutes by 20°C Hardening time: ~ 5 h at 20°C Density: ~ 1,3 g/ml Adhesive tensile strength: > 3 N/mm ² Dynamic crack bridging: 0 - 1,6 mm without crack creation by - 15°C Elongation of break: > 200% Colours: RAL 7032, RAL 7030, RAL 7016, white grey. Special colours possible	Comp. A 30,0 kg 1.200,0 kg
		Comp. B 8,1 kg 250,0 kg

Clean and care agent: AquaSolv 720

Auxiliary material: DuraFlex Primer 671, DuraFlex TopCoat 877, DuraFlex TopCoat 685



DuraFlex 870

Polyurethane Coatings

Non Permeable

DuraFlex TopCoat 877 - highly elastic thin layer coating, uv-resistant

Coloured PUR sealing. Highly elastic and UV-resistant.

Application: UV-resistant Top Coat for DuraFlex 870 Marking paint	Properties:	Comp. A
	Mixing ratio: 6,6 : 4 Non permeable: Yes Consumption: ~ 250 - 1100 g/m ² per mm layer thickness Processing time: 25 - 30 minutes at 20°C Hardening time ~ 5 h at 20°C Dynamic crack bridging: 0-1,6 mm without crack bridging at - 15°C Colours: RAL 7032, RAL 7030, RAL 7016, white grey. Special colours available Characteristic: highly elastic, crack bridging	6,6 kg Comp. B 4,0 kg

Clean and care agent: AquaSolv 720

Auxiliary material: -

PurSeal S-1190 - Binding agent for deco gravel covering (Sand carpet)

1 Component PUR binding agent. Solvent-free, UV-resistant.

Application: Binding agent for deco gravel coverings, coatings with colour chips and similar applications.	Properties:	Packaging
	Mixing ratio: Not applicable Consumption: Depending on grading curve of the used additives Colour: Colourless Viscosity: ~800-1100 mPa.s Density: ~1,1 - 1,14 g/ml, 20°C	25,0 kg 10,0 kg 1,0 kg

Clean and care agent: AquaSolv 720



Stone carpet: Black granite and PurSeal 1190

Polyurethane Coatings

Non Permeable

DuraFlex 895

Transparent, highly elastic coating. Solvent free.

Application:

Sealing on crack endangered
undergrounds
Crack bridging coating for traffic
areas.
Under balconies, terraces and flat
roofs.

Properties:

Mixing ratio: 100 : 15
Consumption 1,50 kg/m² per mm layer
Processing time: 30 - 40 minutes at 20°C
Hardening time: stick free after 12 - 15 hours at 20°C
Walkable: > 24 h
Mechanical loading after: 36 - 48 h

Comp. A
25,0 kg

Comp. B
7,0 kg

Clean and care agent: AquaSolv 720

Auxiliary material: Silocs EPW 1056, Nanosil 906 Integra, DuraFlex TopCoat 881, DuraFlex TopCoat 882

Floor covering made of reaction resins,

- ▶ tough and durable
- ▶ decorative
- ▶ easy application
- ▶ cost-effective



Due to the short reaction and setting times Rocryl resins are perfectly made for small areas. Usually one day is enough for the application of several layers.

PMMA Coatings

Primer

Rocryl 516 base coat - for asphalt and metal

Transparent, highly elastic coating. Solvent free.

Application: Primer for glue 517 Primer for asphalt Primer for metal	Properties: Mixing ratio: 1% - 2% Hardener Rocryl 530 Processing time t-gel: 1% hardener 16 Min, 20°C. 2% hardener 30 Min, 20°C Processing temperature: > -10°C Setting time: 20°C, ~60 minutes with layer thickness of 300 µm at 20°C Density mixed: 1,0 g/ml (20°C)	Comp. A 10,0 kg Comp. B Rocryl 530
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Clean and care agent: AquaSolv 720
Auxiliary material:

Rocryl 520 base coat - for concrete

Transparent, highly elastic coating. Solvent free.

Application: Primer for cement containing surfaces.	Properties: Mixing ratio: 1% - 4% Hardener Rocryl 530 Processing time t-gel: ~15 Min, 20°C, 2% Hardener Setting time: 2% Hardener, 20°C, 45 minutes after mixing Bulk density: ~1 g/cm ³ (20°C) Viscosity mixed: 100 - 120 mPa.s (23°C) Flashing point: +10°C Processing temperature: -10°C -+35°C Processing: Roll or rubber lip Consumption: 250-800 g/m ² (after curing it must develop a closed film)	Comp. A 10,0 kg 30,0 kg Comp. B Rocryl 530
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Clean and care agent: AquaSolv 720
Auxiliary material:

Repair mortar

Rocryl 524 - Self-leveling grout and repair Mortar

MOPO Mortar

Plastic mortar and coating with a short setting time. Fully loadable after 1 h.

Application: Industrial floors Traffic area Reprofiling mortar Repair mortar Grout mortar for anchors and piles	Properties: Mixing ratio: A: B 1:10 up to 1:15 Colour: light grey Viscosity: depending on mixing ratio A:B, mortar to grout Processing time t-gel: ~15 Min, 20°C Setting time: 30 - 40 Min, 20°C after mixing, depending on layer thickness Bulk density: ~2,10 -2,15 kg/l Processing temperature: -10°C -+35°C Processing: Trowel, scraper Consumption: 250-800 g/m ² typical layer thickness > 3 - 4 mm, Upper limit for single layer application 10 - 15 mm	Comp. A 2,50 kg Comp. B 25,0 kg
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Clean and care agent: AquaSolv 720
Auxiliary material: Rocryl Base Coat 520

PMMA Coatings

Grouting of joints and cracks

Rocryl 526 - elastic + self-leveling

Transparent, highly elastic coating. Solvent free.

Application: Cracks Connections and working joints in floors	Properties: Delivery form: 2 Components Colour: natural or RAL Density: 1,0 g/cm ³ , 20°C Viscosity: 800 - 800 mPa.s Processing time: about 15 - 17 minutes at 20°C Tack-free: 50 Min, mechanically lightweight loaded Final strength: 24 h Setting time 18 - 24 h at 20°C	Comp. A 10,0 kg 30,0 kg
		Comp. B Rocryl 530

Clean and care agent: AquaSolv 720
Auxiliary material: Rocryl Base Coat 520

Rocryl 526 -Thix - elastic + gel-like

Self-levelling, elastic grouting compound for cracks and joints in floors.

Application: Cracks Connections and working joints in floors	Properties: Delivery form: 2 Components Colour: natural or RAL Density: 1,0 g/cm ³ , 20°C Shore hardness A: 17 - 20 Elongation at break 20°C: 100% (DIN 53479) UV-resistant: 100% Viscosity: gel-like, not flowing Processing time: about 15 - 17 minutes at 20°C Tack-free: 50 Min, mechanically lightweight loaded Final strength: 24 h	Comp. A 10,0 kg 30,0 kg
		Comp. B Rocryl 530

Clean and care agent: AquaSolv 720
Auxiliary material: Rocryl Base Coat 520

Rocryl 527 - low-viscosity for grouting of cracks

Low-viscosity resin for grouting of cracks and screed needling.

Application: Grouting of cracks Needling of cracks	Properties: Mixing ratio: 1% - 4% hardener Rocryl 530 Processing time t-gel: ~15 Min, 20°C, 2% hardener Setting time: 2% hardener, 20°C, 45 minutes after mixing Bulk density: ~1 g/cm ³ (20°C) Viscosity mixed: 100 - 120 cSt (23°C) Flashing point: +10°C Processing temperature: -10°C -+35°C	Comp. A 10,0 kg 30,0 kg
		Comp. B Rocryl 530

Clean and care agent: AquaSolv 720
Auxiliary material:

PMMA Coatings

Final Coating

Rocryl 523 - Self-levelling coating for indoor

Transparent, highly elastic coating. Solvent free.

Application: Casting resin coating for indoor Industrial floors Binding agent for litter linings	Properties: Mixing ratio: A:B:C 26 kg : 10 kg : 1%-4%	Comp. A 26 kg
	Colour: free selectable RAL UV-resistant: Yes Viscosity: 1100 - 1100 mPa.s Processing time t-gel: ~25 - 30 Min, 20°C (1% hardener Rocryl 530) Setting time: 60 Min, 20°C, 1% C, after mixing, depending on layer thickness Final strength: 24 h Bulk density: ~1,35 g/cm ³ Processing temperature: -10°C -+35°C Processing: Trowel, scraper Consumption: 1,35 kg/m ² per mm layer thickness	Comp B 10 kg Comp C Rocryl 530

Clean and care agent: AquaSolv 720

Auxiliary material: Rocryl Base Coat 520, Rocryl Mortar 524, Rocryl Sealing 521

Rocryl 525 - Self-levelling coating for indoor and outdoor

Flexible cast resin coating for inside and outside. Self-levelling for decorative floors and high loaded industrial floors.

Application: Decorative floors Industrial floors Inside and outside	Properties: Mixing ratio: Dosage A : B 1 - 4%	Comp. A 30,0 kg
	Colour: Free selectable RAL UV-resistant: Yes Viscosity: 800-1100 mPa.s, 20°C Processing time t-gel: ~ 25 - 30 Min, 20°C (1% hardener Rocryl 530) Setting time: after further 60 Min tack-free hardened lightweight loadable at 20°C Final strength: 24 h Bulk density: ~1,30 g/cm ³ Processing temperature: -10°C -+35°C Processing: Trowel, scraper Consumption: 1,30 kg/m ² per mm layer thickness	Comp. B Rocryl 530

Clean and care agent: AquaSolv 720

Auxiliary material:

PMMA Coatings

Thin coating and sealing

Rocryl Sealing 521 T - Transparent sealing indoor + outdoor

Wear-resistant sealing for floor areas.

Application: Protection of concrete and screed TopCoat for litter linings	Properties:	Comp. A
	Mixing ratio: Dosage B 1 - 4%	10,0 kg
	Colour: transparent	
	UV-resistant: Yes	Comp. B
	Viscosity: 100-150 mPa.s, 20°C	Rocryl 530
	Processing time t-gel: ~ 25 - 30 Min, 20°C (1% hardener Rocryl 530)	
	Setting time: after further 60 Min tack-free hardened lightweight loadable at 20°C	
	Final strength: 24 h	
	Bulk density: ~1,0 g/cm ³	
	Processing temperature: -10°C -+35°C	
	Processing: Trowel, scraper	
	Consumption depending on surface: smooth 0,15-0,2 kg/m ² up to 0,5 kg and more with high roughness	

Clean and care agent: AquaSolv 720

Auxiliary material: Rocryl Base Coat 520, Rocryl Mortar 524, Rocryl Coating 523, Rocryl Coating 525

Rocryl Sealing 521 P - Coloured sealing inside + outside

Wear-resistant, coloured sealing for floor areas.

Application: Protection of concrete and screed TopCoat for litter linings Sealing	Properties:	Comp. A
	Mixing ratio: Dosage A : B 1 - 4%	12,5 kg
	Colour: RAL	30,0 kg
	UV-resistant: Yes	
	Viscosity: 150-250 mPa.s, 20°C	Comp. B
	Processing time t-gel: ~ 25 - 30 Min, 20°C (1% hardener Rocryl 530)	Rocryl 530
	Setting time: after further 60 Min tack-free hardened lightweight loadable at 20°C	
	Final strength: 24 h	
	Bulk density: ~1,3 g/cm ³	
	Processing temperature: -10°C -+35°C	
	Processing: Trowel, scraper	
	Consumption depending on surface: smooth 0,15-0,2 kg/m ² up to 0,5 kg and more with high roughness	

Clean and care agent: AquaSolv 720

Auxiliary material: Rocryl Base Coat 520, Rocryl Mortar 524, Rocryl Coating 523, Rocryl Coating 525

Hardener - Reaction starter

Rocryl 530

Hardener / Reaction starter for Rocryl resins.

Application:	Properties:	Packaging
	Mixing ratio: Dosage 1 - 4%	1,0 kg
	Density: ~1,00 g/cm ³	10,0 kg
		25,0 kg

Clean and care agent: AquaSolv 720

Auxiliary material: Rocryl Base Coat 520, Rocryl Mortar 524, Rocryl Coating 523, Rocryl Coating 525

PMMA Coatings

Survey Rocryl Program

Rocryl 516	Base Coat, Bonding bridge for asphalt and metal
Rocryl 520	Base Coat, bonding bridge for concrete
Rocryl 524	Repair mortar, grout mortar, thin resin screed
Rocryl 524 - Thix	Like 524, but shear thinning, suitable for for sloped surfaces
Rocryl 523	Coating, self levelling grout, tough, indoor
Rocryl 525	Coating, self levelling grout, flexible, indoor + outdoor
Rocryl 321 - T	Sealing, transparent
Rocryl 321 - P	Sealing coloured
Rocryl 519	Glue for membrane AquaFlex (PUMA-Glue)
Rocryl 530	Reaction starter hardener powder

Underwater Coatings - Surface Protection

Silocs 1064 UW - Surface protection and reprofiling of concrete

Epoxy based surface protection, even underwater.

Application: Reprofiling of concrete Repair of concrete Surface protection of concrete Over and underwater!	Properties: Mixing ratio: A : B, 100 : 35 t-gel: 30 Min, 20°C Adhesion on wet concrete	Comp. A Comp. B
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Clean and care agent: AquaSolv 720
Auxiliary material:

Silocs 1065-Top UW - Epoxy TopCoat for underwater application

Epoxy based corrosion protection for underwater application

Application: Abrasion-proof coating. Above and underwater!	Properties: Mixing ratio: 100 :85 by weight Density: About 1,8 g/ml Viscosity: Shear thinning Flexible: Yes	Comp. A Comp. B
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Clean and care agent: AquaSolv 720
Auxiliary material:

Special primer - Silane primer

Special primers are chemical couplers for special requirements. As an extra strong bonding bridge on tiles or stainless steel and as waterproof bonding bridge on mineral surfaces and coating which avoids blistering.

Special primer-A 1067 - Special primer for coatings made of PUR and EP

Special primer for special adhesion on difficult surfaces. Avoids blistering.

Application:	Properties:	Packaging
Primer for adhesion improvement on tiles and stainless steel.	Mixing ratio: ready for use	0,50 kg
Avoids blistering on permeable surfaces.	Processing time: Drying by evaporation. ~ 1 h	1,00 kg
	Density: 0,8 g/ml	
	Consumption as primer: 50 - 100 Gram/m ²	
	Consumption as waterproof bonding bridge: saturate surface	

Clean and care agent: AquaSolv 720

Special primer-G 1068 - Special primer for coatings made of PMMA and EP

Special primer for special adhesion on difficult surfaces. Avoids blistering.

Application:	Properties:	Packaging
Primer for adhesion improvement on tiles and stainless steel.	Mixing ratio: ready to use	0,50 kg
Avoids blistering on permeable surfaces.	Processing time: Drying by evaporation. ~ 1 h	1,00 kg
	Density: 0,8 g/ml	
	Consumption as primer: 50 - 100 Gram/m ²	
	Consumption as waterproof bonding bridge: saturate surface	

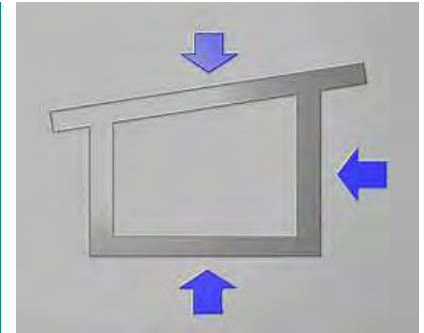
Clean and care agent: AquaSolv 720

Liquid Latex Membrane Sealing

Liquid Latex membrane for crack bridging sealings

Application areas:

- ▶ Floors and walls
- ▶ Roof and Facade
- ▶ Basement



DuraFlex 1100 M

Liquid latex membrane for damp room sealing and silage containers. Highly elastic and crack bridging.

Application: Under tiles in bathrooms, terraces, balconies and silage containers	Properties: Mixing ratio: ready for use Layer thickness: dry minimum 0,6 mm Consumption: 1,2 kg/m ² Density: 1,2 gr/ml (at 20°) Viscosity: shear thinning Tensile strength: 1 N/mm ² Characteristic: highly elastic, crack bridging	Packaging 30,0 kg
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Clean and care agent: Water

Auxiliary materials: Silocs EPW 1056, DuraFlex Primer 1100 P, Silocs 1060-D, HydroStop Sileks M 947 Flex, AquaFlex 775 Membrane

Silocs 1101 MX

Chemical cross-linked liquid latex membrane for damp room sealing and silage containers. Highly elastic and crack bridging.

Application: Protects concrete against the fermentation products in silage containers. Suitable for permanent under water use in water basins and chemical loaded surfaces.	Properties: Mixing ratio: 30 kg : 0,3 kg Layer thickness: dry minimum 0,6 mm Consumption: 1,2 kg/m ² Density: 1,2 gr/ml (at 20°) Viscosity: shear thinning Tensile strength: 1 N/mm ² Characteristic: highly elastic, crack bridging	Comp. A 30,0 kg Comp. B 0,3 kg
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Clean and care agent: Water

Auxiliary materials: Silocs EPW 1056, DuraFlex Primer 1100 P, Silocs 1060-D, HydroStop Sileks M 947 Flex, AquaFlex 775 Membrane

Silocs 1103 DF - UV resistant, sprayable and rollable coating for flat roofs

High resistant and crack bridging liquid latex membrane. Weatherproof.

Application: Facade Roof Civil engineering structure Foundation Wind power plants Viscosity: shear thinning	Properties: Mixing ratio: ready to use Layer thickness: dry minimum 0,6 mm Consumption: 1,2 kg/m ² Density: 1,2 gr/ml (at 20°) Tensile strength: 1 N/mm ² Water dilutable: max. 10% to adjust the spraying viscosity Characteristic: highly elastic, crack bridging	Comp. 30,0 kg
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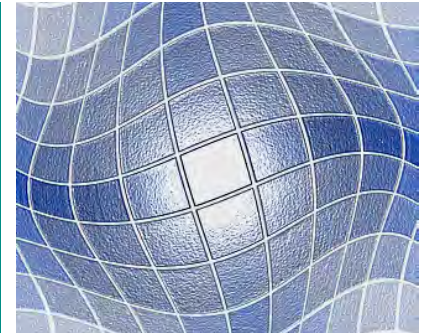
Clean and care agent: Water

Auxiliary materials: Silocs EPW 1056, Silocs 1060-D, HydroStop Sileks M 947 Flex, AquaFlex 775 Membrane

Polyurea

Polyurea-Spray membrane

Used for all-over and jointless areas and sealing and wear-resistant coatings.
Sprayed and after a few minutes already cured.



DUROPOL 898 - highly reactive spraying membrane, Polyurea Hybrid

All-over, viscoplastic area sealing for vertical and horizontal surfaces.

Application:

Crack bridging sealing and wear resistant coating used for traffic areas and roofs as well as waste water areas.

Properties

Mixing ratio: 1 : 1 after volume
Layer thickness: dry min. 1 mm
Consumption: 1,2 kg/m² for 1,0 mm dry film layer
Density: 1,2 g/ml (at 20°C mixed)
Viscosity: slightly shear thinning
Reaction time: 20 - 40 s
Application: spraying in 2 component technique
Standard colour: beige-grey, other colours available on demand

Comp. A
24,0 kg
192,0 kg

Comp. B
30,0 kg
250,0 kg

Clean and care agent: AquaSolv 720

Auxiliary materials: -

Sealing + protection with DUROPOL

Roofs
Bridges
Parking decks
Silos
Retention basins
Liquid manure tanks
TopCoat for HydroFoam insulating foam systems
Wear and corrosion protection



BUILDING AND CASTING RESIN

MCM Building resins - Application and survey

	Coating	Blinded Coating	Damp Surface	Bonding course	Mortar Polymer Concrete	Connection of old and new concrete
Silocs Bauharz 1003	●	●		●	●	
Silocs Bauharz 1005t LC					●	
Silocs EPW 1006		●		●	●	
Silocs Bauharz 1030	●		●		●	●
Silocs Bauharz 1031	●		●		●	●
Silocs 1034			●		●	●
Silocs 1035			●		●	●
Silocs Bauharz 1081		●			●	
PurSeal 897		●				
RokBond SB 1183					●	

Silocs 1003 NT

Universal epoxy resin. Low viscosity and solvent free. Excellent wetting properties.

Appliance: pavement joint mortar Scratch spattle Blinded Coatings Top Coat Polymeric concrete Screed	Properties: Mixing ratio: 1 : 1 after volume (A : B) Processing time t-gel: About 60 - 80 minutes at 20°C Processing temperature: > 8°C Density mixed: 1,1 gr/ml (20°C) Viscosity mixed: 800 +/- 100 cSt (20°C)	Comp. A 20,0 kg 200,0 kg Comp. B 20,0 kg 200,0 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

Silocs Bauharz 1005 LC

Universal epoxy resin. Low viscosity and solvent-free.

Application: Adhesive layer Primer Bonding agent for intersperse layers Polymer mortar Repair mortar Foundation grouting Bonding agent for screeds	Properties: Mixing ratio: 2,5 : 1 by volume (A : B) Processing time t-gel: About 20 minutes, 20°C Processing temperature: > 8°C Density: 1,1 gr/ml (20°C) Viscosity: ~ 200 cSt	Comp. A 25,0 kg Comp. B 10,0 kg
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Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

Silipox EPW 1006

Epoxy resin for building applications. Excellent adhesion on mineral surfaces even when they are damp. Solvent-free!

Application: Blinded coatings, traffic areas repair mortar, polymer concrete, synthetic resin screed, grouting material, bonding course for cast-resin coatings	Properties:	Comp. A
	Mixing ratio: 10 : 7 by volume (A : B)	10,0 kg
	Processing time t-gel: About 40 hours at 20°C	200,0 kg
	Processing temperature: > 8°C	
	Density: 1,03 gr/ml (20°C)	Comp. B
	Viscosity: 11100 +/- 200 cSt	7,0 kg
		240,0 kg

Clean and care agent: AquaSolv 720, HydroMoll 722
Accelerator: on demand

Silocs Bauharz 1030

Epoxy resin for coating on difficult undergrounds. Adhesion on wet concrete and steel.

Application: Coatings Films made of resin are clear, hard, shining and non-adhesive Connection of old and new concrete	Properties:	Comp. A
	Mixing ratio: 100 : 60 by weight	10,0 kg
	Viscosity of the mixture: 11100 - 21100 cSt (at 20°C)	100,0 kg
	Processing time: 40 - 60 minutes	
	Processing temperature: > 8°C	Comp. B
		6,0 kg
		60,0 kg

Clean and care agent: AquaSolv 720

Silocs Bauharz 1031 - excellent adhesion on wet surfaces, faster and thinner as 1130

Epoxy resin for coating on difficult undergrounds. Adhesion on wet concrete and steel.

Application: Coatings Films made of resin are clear, hard, shining and non-adhesive Connection of old and new concrete	Properties:	Comp. A
	Mixing ratio: 100 : 60 by weight	10,0 kg
	Viscosity of the mixture: 800 - 11100 cSt (at 20°C)	100,0 kg
	Processing time: 20 - 25 minutes	
	Processing temperature: > 8°C	Comp. B
		6,0 kg
		60,0 kg

Clean and care agent: AquaSolv 720

Silocs 1034

Casting resin and casting mortar for wet surfaces.

Application: Casting mortar for anchor, pillar and machine foundation	Properties:	Comp. A
	Mixing ratio: 100 : 60 by weight	10,0 kg
	Mixing ratio: A/B : C : 1 : 1	
	Viscosity mixed: 21100 - 31100 cSt (at 20°C)	Comp. B
	Processing time: 40 - 60 minutes at 20°C	6,0 kg
	Processing temperature: > 8°C	Comp. C
		Filler

Clean and care agent: AquaSolv 720

Silocs 1035 - faster and lower viscosity as Silocs 1034

Casting resin and casting mortar for wet surfaces.

Application: Casting mortar for anchor, pillar and machine foundation in damp environmental.	Properties:	Comp. A
	Mixing ratio: 100 : 60 after weight	10,0 kg
	Mixing ratio: A/B : C: 1 : 1 Viscosity mixed: 11100 - 21100 cSt (at 20°C) Processing time: 20 - 25 minutes at 20°C Processing temperature: > 8°C	Comp. B 6,0 kg
		Comp. C Filler

Clean and care agent: AquaSolv 720

Silocs Bauharz 1081 - low viscosity, shiny clear coat, tack-free

Solvent-free EP-resin for building applications. Long processing time and fast cure.

Application: Bond for synthetic resin screeds and concrete Mortar-mix, movable by trowel. Repairing- and grouting mortar Glue mortar Blinded coatings	Properties:	Comp. A
	Mixing ratio: 1 : 1 after volume Viscosity of the mixture: 350 + 200 cSt (at 20°C) Processing time: 50 - 60 minutes Processing temperature: > 8°C	10,0 kg 200,0 kg
	Setting time: About 24 hours. Complete hardening: About 7 days	Comp. B 10,0 kg 200,0 kg

Clean and care agent: AquaSolv 720

Accelerator: Hydrolist on demand

PurSeal 897 - Stone carpet, light resistant

UV-resistant, flexible PUR casting and injection resin.

Application: Transparent coating for sealing of stones and slabs Top Coat for sand carpets Bonding agent for plaster and joint mortars	Properties:	Comp. A
	Mixing ratio: 100 : 28 after volume Viscosity mixed: 1100 - 800 cSt (at 20°C) Density: app. 1,02 g/ml by 20°C Processing time: 45 minutes by 20°C (100 g) Processing temperature: +8°C - +30°C Hardening time app. 200 - 250 minutes by 20°C Usable after: 12 h	10,0 kg 200,0 kg
		Comp. B 10,0 kg 200,0 kg

Clean and care agent: AquaSolv 720

RokBond Soil Binder SB 1183 - up to -10°C, fast setting

Binding agent for cohesive soil in mix and place technique.

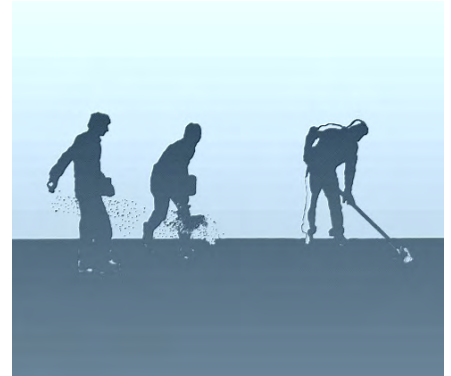
Application: Soil stabilisation	Properties:	Comp. A + B
	Mixing ratio: 4% Accelerator Processing time t-gel: 70-80 minutes at 20°C Processing temperature: below 0°C possible Density mixed: 1,05 g/ml (20°C) Viscosity mixed: 150 - 250 cSt (at 20°C)	10,0 kg incl. Cat 200,0 kg
		Comp. Cat 1,0 kg 10,0 kg

Clean and care agent: Water

TOP COAT - SEALING - IMPREGNATION

Sealings protect surfaces.
Filming, transparent or shiny.

- ▶ Stain protection
- ▶ Abrasion resistance
- ▶ Impregnation
- ▶ Anti-slip
- ▶ Chemical resistance



DuraFlex 878- Pro - avoids yellowing of the coating

Sealing

Transparent, mat, UV-resistant sealing for coatings. Abrasion resistant and slip proof. Protects the subjacent coating against yellowing.

Application:

Abrasion resistant sealing for screeds made of cement, magnesite, anhydrite and melted asphalt.

Spot protection for natural and artificial stones.

UV-protection for Epoxy and PUR coatings.

Properties:

Mixing ratio: 10 : 2
 Diffusible: No
 Solvent free: Yes
 Density: 1,02 - 1,04 g/ml (at 20°C)
 Processing time: 120 min. (at 20°C)
 Processing temperature 8°C - 30°C
 Walkable: ~ 4 h (at 20°C and 75 % rel. humidity)
 Consumption: 80 - 150 g/m² depends on the surface
 Surface: mat
 Application: roll
 Characteristic: elastic

Comp. A

10,0 kg

Comp. B

2,0 kg

Clean and care agent: Water

DuraFlex TopCoat 881 - PUR impregnation for concrete floors

Sealing

Transparent 1 component sealing and impregnation for concrete. Chemical resistant.

Application:

Surface protection for concrete in garages
 store houses
 workshops
 slip resistant blinded coatings

Increases the abrasion resistance
 reduces dust formation

Suitable for mineral undergrounds and metal.

Properties:

UV resistant: No, yellowing by direct sunlight
 Mixing ratio: Ready for use
 Diffusible: Yes, only for use on damp proofed undergrounds
 Density: ~ 1,01 gr/ml (at 20°C)
 Viscosity: 70 + 150 mPa.s (at 20°C)
 Consumption as primer (impregnation): ~ 200 - 300 g/m²
 Consumption as second layer (sealing): ~150 - 200 g/m²
 Hardening time: Dust-dry after ~30 min., stick free after ~5 h
 Mechanically stable after: 24 h
 Fully stable: After 7 days
 Characteristic: Rigid

Packaging

10,0 kg

200,0 kg

Clean and care agent: AquaSolv 720

Accelerator: Hydrolist on demand

DuraFlex TopCoat 882 - 1 Component-PU Sealing / Protective covering

Impregnation + Sealing

Transparent 1 component sealing, UV-resistant!

Application: Surface protection on Concrete Tiles Polyester coatings Epoxy coatings	Properties: UV-resistant: Yes, no yellowing by solar radiation Mixing ratio: Ready for use Not permeable: Yes, only for damp proofed surfaces Density: About 1,03 g/ml (at 20°C) Viscosity: 1100 + 300 mPa.s (at 20°C) Relative humidity: < 85 % Flashing point: About 50° Hardening time: Dust-dry after 4 h, walkable after 12 h Characteristic: Rigid Colour: Transparent, pigmented according to RAL	Packaging 10,0 kg 200,0 kg
---	---	---

Clean and care agent: AquaSolv 720
Accelerator: Hydrolist on demand

DuraFlex TopCoat 881 is a shiny, clear film, extremely abrasion-resistant with excellent oil and petrol resistance. This makes the product suitable for workshops, garages and warehouses, where impregnation and sealing of concrete is required.

DuraFlex TopCoat 882 is a transparent and UV-resistant Coating which protects concrete, tiles and plates.

PurSeal 897 - crystal clear, flexible, absolutely UV-resistant, no yellowing!

Sealing

UV-resistant, flexible PUR casting and injection resin

Application: Transparent clear coating for sealing of stones and plates. TopCoat for sand carpets. Binding agent for paving and joint mortar. Injection of hollow tiles and facades.	Properties: Mixing ratio: 1 : 1 by volume Viscosity of the mixture: 1100 - 800 cSt (at 20°C) Density: About 1,02 g/ml at 20°C Processing time: 20 minutes at 20°C (100 g) Processing temperature: +8°C - +30°C Setting time: about 200 - 250 minutes at 20°C Usable after: 12 h For dry surfaces	Comp. A 5,0 kg Comp. B 5,0 kg
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Clean and care agent: AquaSolv 720

ANTICOR 1000 - Single Component Anti-Corrosion Coating

Sealing

Transparent 1 component coating, UV-resistant! Extreme protection against acids and harsh conditions.

Application:

Surface protection on:

Metal Surfaces

Concrete

Stones

Oil pipes

against acids and harsh conditions.

Stops corrosion completely!

Properties:

UV-resistant: Yes,

Mixing ratio: Ready for use

Flash Point (CCP): < 17°F

Boiling Point for Product: > 95°F

Vapor Pressure for Product: N/D

Vapor Density for Product: N/D

Specific Gravity: .85 - .90 @ 65°F

V.O.C.: <250 LESS EXEMPT SOLVENTS

Water Solubility: NEGLIGIBLE

Appearance: GLOSSY CLEAR COATING

Packaging

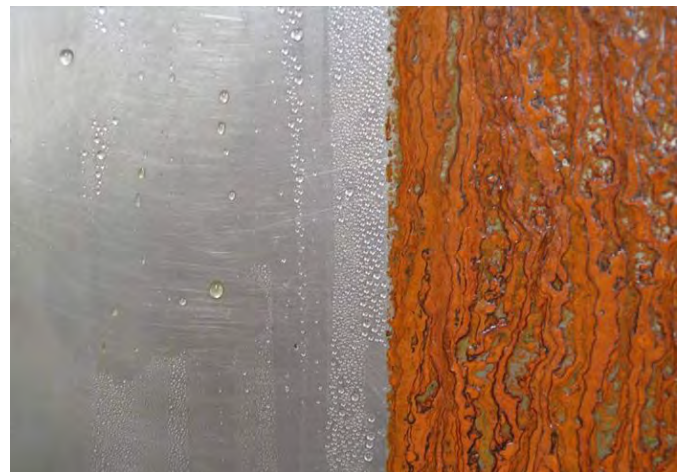
5,0 kg

10,0 kg

200,0 kg

Accelerated Corrosion Test

3 hours later



264 hours later

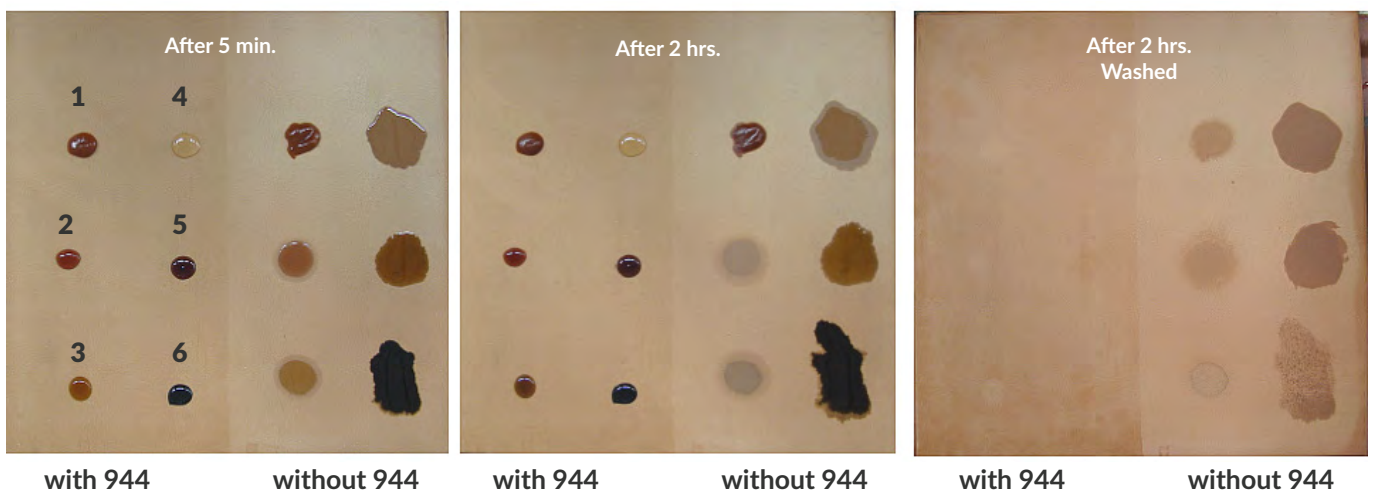
ADVANTAGES

- ▶ Protects your equipment from acids, corrosion and harsh environments
- ▶ Can be applied over rusted surfaces, in combination with our Rust Converter
- ▶ Extends the lifespan of your machinery
- ▶ Highly resistant to harmful substances
- ▶ Excellent adhesion to surface and extreme abrasion resistance
- ▶ Minimum 10 years warranty on performance

SuperSeal high performance impregnation - Power against oil & stains

The solvent-free impregnation prevents the penetration of water and other dirt carriers
Oil, grease and dirt can no longer penetrate into the substrate and spoil the surface.

Protects concrete
Natural stone, granite, marble, travertine
Artificial stones
Non glazed ceramic
Window sill
Stairs.....



Test area with non glazed ceramic ,
with dripped contamination of:

- 1 - Ketchup
- 2 - Red wine
- 3 - Coffee
- 4 - Vegetable oil (Salad oil)
- 5 - Mineral oil
- 6 - Used motor oil

All contaminants washed away
without residues, just with water
and a little washing-up liquid.

SuperSeal 944

Impregnation

Colourless, solvent-free impregnation - the wonder against contamination with grease and oil.

Application:

Screeds,
Concrete
Stone (Natural and artificial)
Terrazzo
Stairs
Window sill
Non glazed ceramic
Granite
Marble
Travertine

Properties:

Mixing ratio: ready for use
Non permeable: no
Solvent-free: yes
Density: 1,00 g/ml (at 20°C)
Processing time: not applicable
Processing temperature: +5°C - +35°C
Drying time: 1 - 3 h dries by evaporation of mixing water.
Consumption: 100 - 1100 g/m² depending on surface
Application: paint, roll, spray
Characteristic: Water and oil repellent

Packaging

1,0 kg
5,0 kg
10,0 kg
25,0 kg
200,0 kg

Clean and care agent: Water

Auxiliary materials: CleanRock 915

Bloxil 990 - 1 Component System

Sealing

Transparent sealing with UV-protection, very rigid, abrasion resistant. 1-C System

Application:	Properties:	Packaging
Protection against	UV-protection: Yes no yellowing	1,0 kg
- Abrasion	Mixing ratio: Ready for use	5,0 kg
- Stains	Solvent free: Yes	10,0 kg
- Damages by de-icing salts	Diffusion resistant: No, suitable for diffusion open and diffusion proofed surfaces.	25,0 kg
Suitable for	Consumption: 100 - 150 g/m ² , depends on the surface	
concrete, screeds, terrazzo	Density: 1,03 g/ml	
natural and artificial stones	Application: Paint, roll, spray	
terracotta	Characteristic: Rigid	
Scratch protection for epoxy		
coatings. Against stress whitening, can		
be overrun again and again.		

Clean and care agent: Water + washing-up liquid
 Cleaning before impregnation: CleanRock 1115

Bloxil 991 AS (Anti Slip) - Anti Slip effect - 1C System

Sealing

Transparent sealing with UV-protection, very rigid, abrasion resistant. Slip-proof by Anti-Slip-Effect

Application:	Properties:	Packaging
Protection against	UV-protection: Yes no yellowing	1,0 kg
- Abrasion	Mixing ratio: Ready for use	5,0 kg
- Stains	Solvent free: Yes	10,0 kg
- Damages by de-icing salts	Diffusion resistant: No	25,0 kg
Anti-slip effect on	diffusion proofed surfaces.	
Artificial stones	Consumption: 100 - 150 g/m ² , depends on the surface	
Travertine	Density: 1,03 g/ml	
Shell lime and similar.	Application: Paint, roll, spray	
Non glazed ceramic	Characteristic: Rigid	
Terracotta		
Stone ware		

Clean and care agent: Water + washing-up liquid
 Cleaning before impregnation: CleanRock 1115

Bloxil 995

Sealing

Colourless self-crosslinking methacrylate sealing and impregnation. Abrasion resistant, slip-proof and light-resistant.

Application:	Properties:	Packaging
Screeds, concrete floors, artificial	Mixing ratio: Ready for use	25,0 kg
stones, concrete paving and	Diffusion resistant: No	200,0 kg
absorbent natural stones can be	Solvent free: yes	
treated. Permeable.	Density: 1,1 g/ml (at 20°C)	
	Average particle size: 80 - 120 nanometres	
	Processing temperature: +5°C - +35°C	
	Drying time: 1 - 3 h depending on temperature	
	Consumption: 100 - 400 g/m ² depending on surface	
	Application: Paint, roll, spray	
	Characteristic: Rigid	

Clean and care agent: Water
 Auxiliary material: Bloxil 910, CleanRock 915

Bloxil 990 Transparent protective sealing, extreme abrasion resistant**Bloxil 991 = Bloxil 990 + Anti slip effect****Bloxil 995 Transparent protective sealing, abrasion-proof**

Floorpaint 1108 Integra

Sealing

Coloured methacrylate thin coating / sealing. Abrasion resistant, slip-proof and UV-resistant.

Application:

Screeds, concrete floors, artificial stones, concrete paving and absorbent natural stones can be treated. Permeable

Properties:

Mixing ratio: Ready for use
 Diffusion resistant: no
 Solvent free: yes
 Density: 1,1 g/ml (at 20°C)
 Average particle size: 80 - 120 nanometres
 Processing temperature: +5°C - +35°C
 Drying time: 1 - 3 h depending on temperature
 Consumption: 100 - 400 g/m² depending on surface
 Application: Paint, roll, spray
 Characteristic: Rigid

Packaging

25,0 kg
 200,0 kg

Clean and care agent: Water

Auxiliary material: Bloxil 910, CleanRock 915

Product	No: 878 Pro	No: 881	No: 882	No: 897	No: 944	No: 990	No: 991	No: 995	No: 1108
Concrete/ Concrete blocs	●	●	●		●	●	●	●	●
Screed	●	●	●		●	●	●	●	●
Terrazzo	●	●			●	●			
Against epoxy/ stress whitening	●		●						
PU coating	●		●						
Ceramic unglazed terracotta					●		●		
Marble	●				●				
Shell lime Travertine	●				●		●		
Granite unplanned	●				●				
Naturstone absorbent	●					●	●		
Stone wear							●		
Sand carpet TopCoat									
De-icing salt protection							●		
Anti-slip protection		●					●		
Sand carpet Stone carpet				●			●		

TOP COAT - SEALING - IMPREGNATION

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Products concrete sealing and impregnation

	UV-resistant	Coloured	Transparent	Permeable	Non Permeable	Flexible	Rigid
DuraFlex 881			●		●		●
DuraFlex 882			●		●		●
DuraFlex 878-Pro	●		●	●		●	
Bloxil 990	●		●	●			●
Bloxil 991 AS	●		●	●			●
Floorpaint 1108		●		●			●

Products for epoxy coat sealing

	UV-resistant	Coloured	Transparent	Permeable	Non Permeable	Flexible	Rigid
DuraFlex 882			●		●		●
DuraFlex 878-Pro	●		●	●		●	
Bloxil 990	●		●	●			●
Bloxil 991 AS	●		●	●			●
Silocs 973 NT	●	●			●	●	

Product for sealing polyurethane coatings

	UV-resistant	Coloured	Transparent	Permeable	Non Permeable	Flexible	Rigid
DuraFlex 877	●	●			●	●	
DuraFlex 878 - Pro	●		●	●		●	

Reprofiling- and smoothing compound

Special mortar with polymers, fibres and micro silicates for reprofiling, filling and spatting

- ▶ excellent adhesion
- ▶ water-repellent
- ▶ no shrinkage



Sileks 1161 - Reprofiling and filling

Reprofile- and filling mortar for concrete surfaces. Fibre reinforced!

Application: Repair of damaged concrete surfaces Not suitable for floors	Properties: Mixing ratio: 25 kg : 3,5 - 4,0 L Water Density: 2,0 g/ml Fresh mortar Processing time: 40 - 60 minutes at 20°C Processing temperature: > 8°C Max layer thickness: 40-50 mm horizontal + vertical, 25 mm over head	Packaging 25,0 kg
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Sileks 1162 - Repair and smoothing

Reprofile and smoothing mortar for uneven surfaces.

Application: Smoothing of uneven and cracked surfaces Not suitable for floors	Properties: Mixing ratio: 25 kg : 6,25 - 6,75 L Water Density: 2,1 g/ml Fresh mortar Processing time: 40 - 60 minutes at 20°C Processing temperature: > 8°C	Packaging 25,0 kg
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Sileks 1163 - Fine spattle

Fine spattle for smoothing of rough surfaces and as final coating on reprofiling mortar

Application: End coating on top of Sileks 1161 and as fine spattle for rough surfaces Not suitable for floors	Properties: Mixing ratio: 25 kg : 5 - 6 L Water Density: 2,2 g/ml Fresh mortar Processing time: 40 - 60 minutes at 20°C Processing temperature: > 8°C	Packaging 25,0 kg
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SealMortar, the special mortar made for perfect drilling hole sealing

- ▶ creamy consistence but stable
- ▶ retarded hardening
- ▶ shrink compensated
- ▶ water-repellent
- ▶ absolutely waterproof



Drill hole mortar

Seal-Mortar 1130

Expansion mortar for drilling hole sealing

Application:

Easy and water-tight closing of drilling holes.

Properties:

Mixing ratio: 15 : 4,5 kg
 Density: 1,9 g/ml
 Processing time t-gel: 90 minutes at 20°C
 Processing temperature: > 8°C
 Hardening time: 24 h
 Volume increase: 3 - 5%
 Internal hydrophobising guarantees waterproofing

Comp. A
15,0 kg

Comp. B
4,5 kg

Auxiliary materials: Joint Filling gun 051, Rocsil 1131

Injection-mortar

Sileks Suspension 1131 - Filling of cavities and cracks

Bore hole suspension and injection mortar. No shrinkage, no sedimentation and very good surface adhesion.

Application:

Cavity filling in fissured masonry.
 Injection of cracks and cleavages.
 The pre-injection with Suspension 1131 avoids the uncontrolled discharge of the actual injection medium.

Properties:

Mixing ratio: 10 - 11 litre water for 20 kg Suspension 1131
 Processing time t-gel: about 60 minutes (at 20°C)
 Processing temperature: +5°C - +30°C
 Bulk density: 0,9 kg/dm³
 Fresh mortar bulk density: 1,8 kg/dm³
 Bending tensile strength: 1 day about 2,7 N/mm²
 Bending tensile strength: 7 days about 3,5 /mm²
 Compressive strength: 1 day about 10 N/mm²
 Compressive strength: 7 days about 30 N/mm²
 Potential volume change: None (DIN 4227, part 5)
 Consumption: about 1,9 kg per Litre void volume

Packaging

20,0 kg

Clean and care agent: Water

Auxiliary materials: CemSeal 1156

Injection-mortar for historic buildings

Kalsil 1172 - Injection glue for cavity filling

Low-stress grouting mortar for the reconstruction of natural stone masonry with low strength.

Application: Cavity filling at fissured masonry. Injection of cracks and cleavages.	Properties: Mixing ratio: 10 - 11 Litre of water for 20,0 kg Kalsil 1172 Processing temperature: +5°C - +30°C Bulk density: 0,8 kg/dm ³ Density mixed 2:1 with water: 1,7 kg/l 1 L glue contains 66,65% Kalsil at a mixing ratio 2:1 Plentifulness: About 1 - 1,1 l Injection glue/kg solid matter Grinding fineness: About 1100 µm Specific surface: 6 - 61100 mm ² /g Minimum strength: 5 N/mm ² Maximum strength: 15 N/mm ²	Packaging 20,0 kg
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Clean and care agent: Water

Natu | Rock 385

Micro injection mortar made of geopolymeric binding agents

- ▶ sulfate and salt resistant
- ▶ contains no cement and lime
- ▶ tough, with very high strength
- ▶ very good surface adhesion
- ▶ easy to pump, very good penetration into cracks and pores
- ▶ the better alternative to micro cement

NatuRock 385

Micro injection mortar, ultra fine, mineral injection material.

Application: Cavity filling of fissured masonry. Injection of cracks and cleavages	Properties: Mixing ratio: 10 : 6,5 - 7 Processing time t-gel: about 60 minutes (at 20°C) Processing temperature: +5°C - +30°C Density about 1,5 g/ml Building material class A 1 Consumption: About 1,5 kg per Litre void volume Processing with classical injection machine or screw pump	Comp. A 25,0 kg Comp. B 10,0 kg 25,0 kg
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Waterstop-Mortar

Sileks Water-Plug 1132

Water plug, to stop water in leakages.

Application: Filling Repair	Properties: Mixing ratio: Mortar : Water (25% by weight) Processing time: 40 - 60 s Temperature: > 8°C	Packaging 25 kg
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Assembly-Mortar

HydroStop XL - 1138

Assembly mortar for sealing and mounting.

Application: Anchoring of machines, windows, bolts, railings, pipes, gates. Filling of flaws Fixing of dowels Indoor and outdoor	Properties: Mixing ratio: A: B, 100 parts : 34 parts Processing time: 2 - 3 Min, 20°C Full hardening: about 10 minutes, 20°C Temperature: +5°C - +35°C	Comp. A 1,5 kg 25,0 kg Comp. B 0,51 kg 8,50 kg
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Trass Cement-Mortar

Sileks TZM 1134

Masonry and laying mortar made of trass and cement. Waterproof, no blooming.

Application: Production of stressed masonry, also in contact with ground. Laying mortar for natural and artificial stones. Restoration of historical buildings	Properties: Mixing ratio: 2 - 3 Litre Water on 1 bag Processing time: Temperature: > 5°C	Packaging 20 kg
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Sileks TZM 1136

PCC-masonry- and laying mortar made of trass and cement.

Application: Like Sileks TZM 1134 with better ▶ adhesion ▶ easier to apply ▶ higher starting and final strength ▶ low-stress curing	Properties: Mixing ratio: 3 - 3,5 Litre Water on 1 bag Processing time: Temperature: > 5°C	Packaging 20 kg
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Trass Cement-Mortar

CemSeal-Rapid 1137 KSM - sulfate resistant

PCC-repair mortar for sewage systems.

Application:

Reprofiling and covering for mineral surfaces contaminated with waste water. Frost and de-icing salt resistant. Resistant to salt water + agri-cultural sewage.

Properties:

Mixing ratio: 3,5 - 4 Litre water on 1 bag
 Setting time: 90 - 120 minutes (at 20°)
 Density fresh mortar: 1 - 2,1 g/ml
 Temperature: > 5°C

Packaging

25 kg

ECC- Waterproof Plaster

CemSeal 1165 Monocouche - ECC mortar (Epoxy resin modified cement mortar)

Light, waterproof ECC waterproof plaster. Super adhesion, very hard, hydrophobic and waterproof.

Application:

Mortar and coating
 Tunnel walls

Properties:

Colours: white, grey
 Mixing ratio: A : B, 150 : 100
 Processing time: 20 min
 Setting time: 2 - 4 h, at 20°C
 Density fresh mortar: ~ 1,5 g/ml
 Temperature: > 5°C
 Permeable: yes
 Layer thickness in one working step < 1 cm
 Processing: spray, by hand

Comp. A
 25,0 kg

Comp. B
 10,0 kg

Monocouche 1165 combines the advantages of a sealing slurry with those of a mineral bonding finish. The mortar is watertight and permeable. It compensates unevenness and provides flat, optically appealing surfaces.

Due to the reinforcement with micro and macro fibres, it is particularly firm and hard. The resistance to de-icing salts and chemical stress is very good. Capillary water transport does not take place. The mortar is hydrophobic.

NATU | ROCK

New mortars and building materials with high strength. Fast, hard robust and waterproof.

Not alkaline, without cement and without lime and gypsum. Geo building materials Natural-just made of stone!

NATU | ROCK

NatuRock mortars bind quickly, stick to almost everything, even on wet ground and they have a high strength.

NatuRock for floor and wall!

NatuRock consists of powder and a liquid, the NatuRock Reactive.

This determines the setting time

Reactive-B= fast as lightning

Reactive-S = fast,

Reactive-M = medium,

Reactive-L = normal

Geo Polymer-Mortar

NatuRock 381

For repair, coating and reconstruction. Excellent adhesion and high strength even on damp surfaces.

Application:	Properties:	Comp. A
Repair	Mixing ratio: 25 : 7,5	25 kg
Coating	Processing time: 20 - 45 min, depending on reactive	
Reconstruction of floor and wall	Setting time: 100 - 225 min, 20°C depending on reactive	Comp. B
	Density fresh mortar: ~2,1 g/ml	7,5 kg
	Temperature: > 5°C	
	Waterproof from 3,6 mm layer thickness, for single layer application min. 5 mm	

Reactive (B) and processing times of NatuRock 381

Reactive-A1: Processing time of 2 minutes for dry spray application

Reactive-A2: Processing time of 20 minutes

Reactive-A3: Processing time of 30 minutes

Reactive-A4: Processing time of 40 minutes

Diffusion Mortar

DRY | CON

One-of-a-kind damp diffusion mortar for eliminating the excess moisture which damages your buildings and walls. One time application, life-long protection.

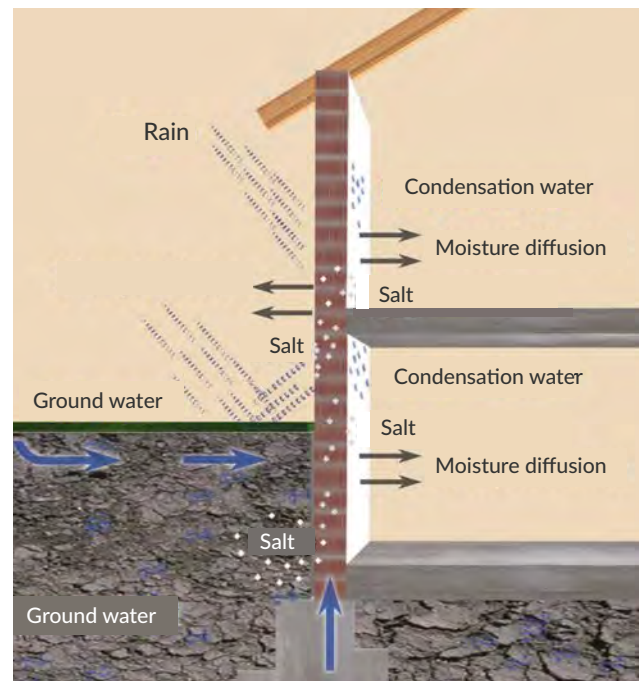
DRY | CON

DRYCON mortars have special properties that allow cured product to continuously regulate the moisture inside the walls and keep the building mold, mildew and condensation free.

Once applied, DRYCON acts as a permanent moisture regulator for your buildings.

Instead of blocking the capillary water transfer (and just postpone the mold and mildew formation) DRYCON eliminates the excess water inside the walls by creating a highly effective diffusion functionality and keeps your walls dry.

Available as an additive or pre-mixed, DRYCON will regulate the moisture inside your building and eliminate the mold and mildew forever.



One time application, Lifetime protection...



Before



After

Diffusion Mortar

Special Additive

DRYCON FMP-100 Additive

For repair, coating and reconstruction. Excellent adhesion and high strength even on damp surfaces.

Application: Damp Diffusion Stop condensation Repair walls Protect and preserve building	Properties: Mixing ratio: 48 l = 76,8 kg sand + 25 kg cement + 200 g concentration + water Application: Please refer to instruction manual	Packaging 200 gram/packet 10 packets /box
		or 3kg bag for mass production

Ready-Mixed

DRYCON FMP-S100 - Ready Mixed

with Cement

For repair, coating and reconstruction. All purpose damp-diffusion mortar. Both for interior and exterior use.

Application: Damp Diffusion Stop condensation Repair walls Protect and preserve building	Properties: Mixing ratio: Ready to use Includes: Cement, sand, additive Application: Please refer to instruction manual	Packaging 20 kg bag

DRYCON FMP-K100 - Ready Mixed

with Lime

For repair, coating and reconstruction. All purpose damp-diffusion mortar. Without cement. Ideal for historic building restorations.

Application: Damp Diffusion Stop condensation Repair walls Protect and preserve building	Properties: Mixing ratio: Ready to use Includes: Lime, sand, additive Application: Please refer to instruction manual	Packaging 20 kg bag



STONE AND PLASTER STABILISATION

Stabilisation of building materials

PurSeal 920 - KSE Stone stabilisation (Silica ester)

Stone stabilisation. Stabilisation of weathered building materials. Diffusion open 1 component system, non filming!

Application: Solidification of mineral building materials, natural stone, stucco, frescos, clay brick, terracotta, plaster	Properties: Mixing ratio: Ready to use Density: 1 gr/ml (at 20°C) Flash point: 40°C Application: Complete soaking of the marred layers, until no more material can be affiliated.	Packaging 10,0 Litre
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Clean and care agent: -
Auxiliary material: HydroStop SI 941

PurSeal LSI 926

Inorganic stone and plaster stabilisation. Stabilisation of weathered building materials. Diffusion open 1 component system, non filming!

Application: Solidification of rough porous natural stone, plaster and joint mortar. Reconstruction of damaged concrete surfaces. Not for weak sucking materials like ceramic, hard natural stones, clinker.	Properties: Mixing ratio: Ready for use on weak sucking surfaces. Thinning 1 : 1 with water on strong sucking surfaces. Density: About 1,20 gr/ml (at 20°C) Viscosity: < 20 cSt sec. (at 20°C) Processing temperature: 10°C - 20°C Relative humidity: < 75 % Application: Spraying, flooding, coating Not suitable for floors.	Packaging 25,0 kg
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Clean and care agent: -
Auxiliary material: HydroStop SI 909, HydroStop Si 942

Acid rain and frost damage the building substance

MCM-Products protect and conserve

Stabilisation of building materials

PurSeal LSI 925

Inorganic, reactive stone and plaster stabilisation. Stabilisation of weathered building materials.
Diffusion open 1 component system, non filming!

<p>Application: Solidifies and hardens rough porous natural stone, plaster and joint mortar.</p> <p>Not for weak sucking materials like ceramic, hard natural stones, clinker.</p>	<p>Properties: Mixing ratio: Ready to use on weak sucking surfaces. Thinning 1 : 1 with water on strong sucking surfaces. Density: About 1,26 gr/ml (at 20°C) Viscosity: 20 cSt (at 20°C) Processing temperature: 10°C - 20°C Relative humidity: < 75 % Application: Spraying, flooding, coating</p> <p>Immediately water resistant - suitable for floors.</p>	<p>Packaging 25,0 kg</p>
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Clean and care agent: -
Auxiliary material: HydroStop SI 909, HydroStop Si 942

**PurSeal Stone and Plaster sealer keep the natural optic of building materials. The products are low viscosity, penetrate perfect into the building material and dry tack-free without filming!
A treatment with PurSeal protect against acid rain.**

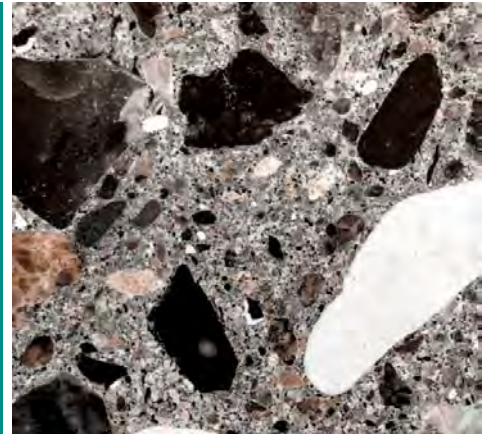
**We recommend hydrophobising of the reconstructed surface as a long-term protection.
For example with HydroStop SI 942.**

CONCRETE ADDITIVE - TEMPERING

Hardening and sealing of concrete

Products for hardening and consolidation of concrete surfaces:

- ▶ less abrasion
- ▶ less dust
- ▶ dirt protection
- ▶ no filming
- ▶ no optical change - concrete stays concrete



PurSeal 1170 - with Nanospheres

Reactive silicate solution, consolidates, strengthens and seals old and new concrete floors. Up to 10 - 20 mm deep!

Application:	Properties:	Packaging
Increase stability and impermeability of concrete.	Mixing ratio: ready to use Density: About 1,15 g/ml (at 20°C) Viscosity: About 20 cSt (at 20°C)	10,0 kg 28,0 kg 200,0 kg 1000,0 kg
Protects against water, aggressive substances and dirt.	Consumption: 0,15-0,2 kg/m ² on smooth and weak sucking surfaces about 0,5 kg/m ² on rough undergrounds and strong sucking surfaces Thinner: Water 1. Step: 1:1, 2. Step: use it undiluted on strong sucking surfaces, dilute on weak sucking surfaces	
Fills pores and fine cracks.	Application: Spray on No filming	
Steam break protects fresh concrete from quick drying.		

Clean and care agent: Water

100 % better than other PCC-additives

- Better composite
- Better chemical resistance
- Better properties

Concrete with CemSeal-Polymer by MCM

PCC Mortar

A new technology and outstanding products:
Cement reactive polymer, for excellent adhesion and
high chemical resistance of concrete and mortar.

CemSeal

CemSeal 1156 - Unique: reacts with portland cement!

Reactive polymer for cement containing building materials. Increased underground adhesion.
Bending tensile strength and better chemical resistance.

Application:	Properties:	Packaging
Repair mortar	Solid content: About 45%	10,0 kg
Industrial floors	Viscosity: 70 - 80 cSt	25,0 kg
Bonded screed	Density: 1,07 g/ml (20°C)	200,0 kg
Centrifugally cast concrete parts	PH-amount: 5,5	1000,0 kg
Plaster, sealing slurries, Concrete parts etc.		

NanoCem 1160 - CemSeal with Nanosphere, for better chemical resistance

Reactive polymer additive for portland cement.
Increases adhesion compressing strength, bending tensile strength and the chemical resistance in acidly environments.

Application:	Properties:	Packaging
Repair mortar	Solid content: About 40%	10,0 kg
Channel and manhole lining	Viscosity: 50 cSt	25,0 kg
Industrial floors	Density: 1,10 g/ml (20°C)	200,0 kg
Used screeds made of concrete	PH-value: 5 - 6	1000,0 kg
Centrifugally cast concrete parts		
Concrete goods.		

Sealing of concrete

Rocsil 1131- Mass hydrophobising of concrete and plaster

Protects cement bound building materials from blooming, mould, frost, de-icing salt damages etc.

Application:	Properties:	Packaging
Repair mortar	Solid content: About 40%	10,0 kg
Channel and manhole lining	Viscosity: 50 cSt	25,0 kg
Industrial floors	Density: 1,10 g/ml (20°C)	200,0 kg
Used screeds made of concrete	PH-value: 5 - 6	1000,0 kg
Centrifugally cast concrete parts		
Concrete goods.		

HydroStop M 1159 - Sealing agent for concrete and cement bound building materials

Internal, reactive sealing agent. Plugging of capillaries.

Application:	Properties:	Packaging
Repair mortar	Additional amount: 3 - 4% related to cement	10,0 kg
Channel and manhole lining	Appearance: Oily liquid or soft paste	25,0 kg
Solid-state industrial floors	Viscosity: Viscous to pasty	
Used screeds made of concrete	Density: 0,95 - 1,05 g/l (20°C)	
Centrifugally cast concrete parts	PH-value: 5 - 6	
Concrete goods.		

Protection against too fast drying out

HydroStop EP Curing 1104 - Epoxy emulsion, dilutable with water

Transparent epoxy impregnation sealing for damp surfaces. Diffusion open.

Application: Curing for fresh concrete	Properties:	Comp. A
	Mixing ratio: 2 : 1 (A : B)	10,0 kg
	Consumption: 100 - 200 g/m ² , on smooth surfaces	
	Density: 1,05 g/ml	Comp. B
	Processing time: 120 minutes	5,0 kg
	Diluent: Water	
	Surface: Silky lustre	
	Diffusion open: Yes	

Clean and care agent: Water (hot) + washing-up liquid. Pump cleaning with AquaSolv 720, HydroMoll 722

Nanosil 1170 - with nanoparticle

Reactive silicate solution, solidifies, stabilises and seals 10 - 20 mm deep! For old and new concrete surfaces

Application: Curing for fresh concrete Increases strength and tightness. Prevents dust formation by abrasion. Fills pores and fine cracks. Steam brake protects fresh concrete from drying out too quick.	Properties:	Packaging
	Mixing ratio: Ready to use	10,0 kg
	Density: About 1,15 g/ml (at 20°C)	28,0 kg
	Viscosity: About 20 mPa.s (at 20°C)	200,0 kg
	Consumption: 0,15 - 0,2 kg/m ² on smooth, weak sucking surfaces about 0,5 kg/m ² on rough, strong sucking surfaces	1000,0 kg
	Diluent: Water 1. Step: 1:1 dilute with water, 2. Step: on strong sucking surfaces	
	For fresh and bound surfaces.	
	undiluted, on strong sucking surfaces diluted.	
	Application: spray on	
	No filming	

Clean and care agent: Water

THERMAL INSULATION

Liquid Ceramic Insulation

CERAMOR

Supreme heat insulation for industrial equipment, hot pipes and all kinds of buildings:

- ▶ High Thermal Insulation
- ▶ Anti-corrosion
- ▶ Waterproofing
- ▶ Zero VOC

- ▶ Hot pipes
- ▶ Industrial Equipment
- ▶ Roofs
- ▶ Refrigerated vehicles
- ▶ Warehouses
- ▶ Buildings
- ▶ Factories

and more...

over 40% heat reduction - only 1 mm thickness!



52.5 C°



27.7 C°

Liquid Ceramic Insulation

CERAMOR METAL 120

max 120C°

Liquid waterborne heat insulation material designed for heat insulation of metal surfaces. Up to 120 C°

Application: Water and heat supply pipes (hot, cold water) Steam pipes Condensing pipes Industrial pipelines Metal roofs Refrigerated trucks and more...	Properties: Mixing ratio: Ready to use Coat thickness (layer): 0.5 mm dry Base: Water-based styrene acrylic dispersion UV Reflection: 100% Elongation: Over 600% Thermal conductivity: 0.0012 - 0,004 W/mK (ASTM C 518-10)	Packaging 20 kg pail
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130.4 C°

1.5mm thickness !



77.1 C°

CERAMOR METAL 260

max 260C°

Liquid waterborne heat insulation material designed for heat insulation of metal surfaces. Up to 260 C°

Application: Water and heat supply pipes (hot, cold water) Steam pipes Condensing pipes Industrial pipelines Metal roofs Refrigerated trucks and more...	Properties: Mixing ratio: Ready to use Coat thickness (layer): 0.5 mm dry Base: Water-based styrene acrylic dispersion UV Reflection: 100% Elongation: Over 600% Thermal conductivity: 0.0012 - 0,004 W/mK (ASTM C 518-10)	Packaging 20 kg pail
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CERAMOR METAL 400

max 400C°

Liquid waterborne heat insulation material designed for heat insulation of metal surfaces. Up to 400 C°

Application: Water and heat supply pipes (hot, cold water) Steam pipes Condensing pipes Industrial pipelines Metal roofs Refrigerated trucks and more...	Properties: Mixing ratio: Ready to use Coat thickness (layer): 0.5 mm dry Base: Water-based styrene acrylic dispersion UV Reflection: 100% Elongation: Over 600% Thermal conductivity: 0.0012 - 0,004 W/mK (ASTM C 518-10)	Packaging 20 kg pail
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Liquid Ceramic Insulation

CERAMOR FAÇADE

especially for buildings

Liquid waterborne heat insulation material designed for insulation and painting of building facades. Also water repellent.

Application:
Exterior Applications
Interior Applications
Façades
Roofs
Concrete surfaces
Wood structures
and more...

Properties:
Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
UV Reflection: 100%
Elongation: Over 600%
Thermal conductivity: 0.0012 - 0,004 W/mK (ASTM C 518-10)

Packaging
20 kg pail



CERAMOR ZERO-CONDENSE

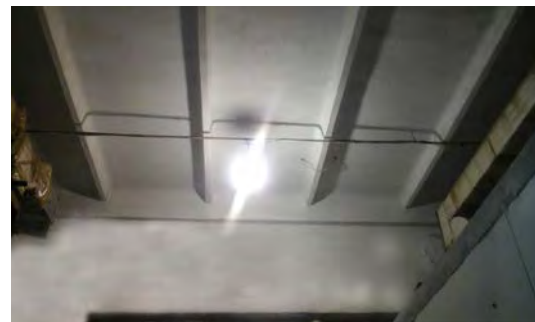
stops condensation

Liquid waterborne thermal insulation material designed for prevention of condensation formation on metal, concrete, brick, plastic and other surfaces.

Application:
Exterior and Interior Applications
Condensing areas
Façades
Interior Applications
Concrete surfaces
Wood structures
and more...

Properties:
Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
UV Reflection: 100%
Elongation: Over 600%
Thermal conductivity: 0.0012 - 0,004 W/mK (ASTM C 518-10)

Packaging
20 kg pail



Stops condensation forever!

Polyurethane foam

for walls, roof and foundation

HydroFoam 810 - waterproof + warm

PUR spray and casting foam for waterproofing and thermal insulation.

Application:
Seam and joint less thermal insulation and waterproofing.

Properties:
Mixing ratio: 2 Components
Density mixed: About 1,15 g/ml (at 20°C)
Viscosity: About 80 cSt (at 60°C)
Volumetric weight, free foamed: 30 - 40 kg/m³
Water absorption, 90 days: ~1-2 vol.%
Coefficient of thermal conductivity: 0,019 kcal/mh°C

Comp. A
200 kg

Comp. A
250 kg

Clean and care agent: AquaSolv 720



HydroFoam is ideal for

- waterproofing of fundaments
- heat insulation
- roofs

Joint filling materials for pavement and slabs

- ▶ Binding agent
- ▶ Ready for use mortar mixtures
- ▶ Special products



Bloxil 1110	Strengthens and stabilises the joint filling in concrete plaster. 1 component bonding agent. Easy application through infusion.
Duroks - 1120	1 component joint mortar bonding agent. Air drying (oxidation) UV-resistant, no yellowing. For light and medium strain.
Silocs - 1127	2 component joint mortar epoxy resin. Suitable for damp sands! For medium and high strain, as far as possible UV-resistant
PurSeal - 1190	1 component PUR- resin for mortar joints. With high strength and 100% UV-resistant, suitable for white sand. Quick hardening.
PurSeal - 1191	1 component PUR resin for drainage and laying mortar. Suitable for damp sands with high strength and quick hardening.
Sileks 1122 / 1123 joint fillers	1 component joint mortar for slabs and paving. Joint filler will be brushed into the joints (dry) and activated. The area is usable after a few hours.

Binding agent

Bloxil 1110 - for better and nicer concrete pavement

Ready for use. Stabilises joints, prevents fouling and protects surfaces

Application:	Properties:	Packaging
Joint stabilisation and surface protection of the concrete through impregnation. Prevents fouling	Mixing ratio: Ready for use Drying time: 1 - 5 hours, depending on surface and weather Setting time: Maximum 24 hours Processing temperature: > 5°C Viscosity mixed: 50 - 75 cSt Solid content: About. 25 % Consumption: Depending on surface and joint texture average between 0,5 - 0,7 kg per m ²	10 kg 25 kg

Clean and care agent: Water

Auxiliary materials: AquaSolv 720, CleanRock 1115, HydroCleaner 525, HydroCleaner 526, HydroCleaner 527, Tempseal 1037, Fixclean 1038

Duroks 1120 - 1 Component-Binding agent

Binding agent for water-permeable coverings and pavement joints and paved areas, close to nature.

Application:	Properties:	Packaging
Joint mortar Water-permeable, hard coverings, optical characteristic is close to nature Ways for light traffic Places around trees	Consumption: 2 - 4 weight. % based on mineral component Processing time: about 40 - 60 minutes (depending on temperature) Viscosity: 1050 +- 200 cSt (20°C) PH-value: neutral Density: about 0,9 - 0,95 g/ml Storage: Cool, but protect by frost Storage life: 12 month in tightly closed casks	0,75 kg 10,0 kg

Auxiliary materials: AquaSolv 720, CleanRock 1115, HydroCleaner 525, HydroCleaner 526, HydroCleaner 527, Tempseal 1037, Fixclean 1038

Silocs-Sandbinder 1127 - Epoxy resin binder for pavement joints

Epoxy resin binders for water-permeable joints and traffic areas of sand in gardening and landscaping.

Application:	Properties:	Packaging
Joint mortar Water-permeable, hard coverings, optical characteristic is close to nature Traffic areas in gardening and landscaping.	Mixing ratio: 2 : 1 (A : B) by volume Processing time t-gel: 150 - 200 minutes at 20°C Processing temperature: > 10°C Density: about 1,05 Walkable: 24 - 36 hours after application at 20°C	1,5 kg 15,0 kg

Auxiliary materials: AquaSolv 720, CleanRock 1115, HydroCleaner 525, HydroCleaner 526, HydroCleaner 527, Tempseal 1037, Fixclean 1038

PurSeal S 1190 - 1C - PU binding agent for sand and crushed stones

Binding agent, ready for use, for dry sands and crushed stones, light resistant.

Application:	Properties:	Packaging
Binding agent for natural stone covering (Sand carpets) Joint mortar	Delivery form: liquid, ready for use Colour: Almost colourless, limpid Odour: weak, product typical Viscosity at 20°C: About 800 - 1100 cSt Density at 20°C: About 1,10 - 1,14 g/ml	0,75 kg 10 kg

Clean and care agent: AquaSolv 720

Auxiliary materials: CleanRock 915

PurSeal S 1191 - 1C - PU binding agent for sand and crushed stones, drainage binder

Binding agent, ready for use, suitable for dry, earth-moist and wet sands, gravel and crushed stones.

Application:	Properties:	Packaging
Binding agent Joint mortar	Delivery form: liquid, ready for use Colour: light yellow, murky Odour: very weak, product typical Viscosity at 20°C: about 11100 ± 200 cSt Density at 20°C: about 1,10 - 1,14 g/ml	0,75 kg 10,0 kg

Clean and care agent: AquaSolv 720
Auxiliary materials: CleanRock 915

PurSeal 897 - Light and weather resistant, flexible PUR-cast resin, 100 % UV-resistant

Colourless, light-resistant binder for sand- or stone carpets. TopCoat for nonporous sealings.

Application:	Properties:	Comp. A
Binding agent, Topcoat Sealing	Mixing ratio: 1 : 1 Viscosity: About 1100 - 800 cSt (20°C) Density: About 1,02 g/ml (20°C) Layer surface: Bright (can also be delivered mat) Processing temperature: +8 up to 30°C Pot-life: About 30 - 40 minutes, (20°C / 100 g) Setting time: About 200 - 250 minutes, 20°C and 2 mm layer thickness Usable after: 12 hours Chemical fully loadable: after 7 days at 20°C	5,0 kg Comp. A 5,0 kg

Clean and care agent: AquaSolv 720
Auxiliary materials: CleanRock 915

Ready for installation mortars

Duroks 1121 Joint Mortar - Ready for installation polymer joint mortar

Air- and water-permeable drainage mortar. Premixed ready for installation

Application:	Properties:	Packaging
Joint mortar Water-permeable, hard coverings, optical characteristic is close to nature Ways for light traffic Places around trees	Mixing ratio: Ready for use Processing time t-gel: 30 - 40 minutes at 20°C Processing temperature: > 5°C Density: 1,7 - 2,0 depending on grading curve Light resistant: Yes, colour of the binder is weak	30 kg

Auxiliary materials: AquaSolv 720, CleanRock 1115, HydroCleaner 525, HydroCleaner 526, HydroCleaner 527, Tempseal 1037, Fixclean 1038

Sileks Joint Filler 1122 light - Joint mortar, ready for installation, for wide joints 8 - 20 mm

Joint mortar, ready for installation for paving and slabs.

Application:	Properties:	Packaging
Joint mortar Pavings Slabs	Delivery form: Solid mixture, dry Density: 1,3 - 1,5 kg / Litre (bulk density, dry) Standard colour: cement-grey, natural Special colour: cement-grey, dark (No standard stock)	25 kg

Sileks Joint Filler 1123 - Joint mortar, ready for installation, for small joints 5 - 10 mm

Joint mortar, ready for installation for paving and slabs.

Application:	Properties:	Packaging
Joint mortar Pavings Slabs	Delivery form: Solid mixture, dry Density: 1,3 - 1,5 kg / Litre (bulk density, dry) Standard colour: cement-grey, natural Special colour: cement-grey, dark (No standard stock)	25 kg

Protection against contamination

Tempseal 1237 - Temporary protection system for stones and slabs

Colourless, water-resistant, quick protection cover for natural and artificial stones. Prevents contamination by binding agents.

Application:	Properties:	Packaging
Prevents discolouration, stains and fogging after laying. Protects the surface from contamination.	Mixing ratio: Ready for use Processing time t-gel: Drying by evaporation, about 30 minutes Density: ~1,1 - 1,2 Processing temperature: > 8°C	10,0 kg 25,0 kg

To remove the protective layer, use Fixclean 1038

Fixclean 1238 - Removes Tempseal 1037 after jointing

Removal aid for protective layer made of Tempseal 1037.

Application:	Properties:	Packaging
Solves the protection cover Tempseal 1037 after jointing residue-free.	Mixing ratio: 1 : 1 dilute with water Density: ~1,25 - 1,30 Application: spray, infuse Processing temperature: > 8°C	5,0 kg 25,0 kg

Auxiliary materials: AquaSolv 720, CleanRock 1115, HydroCleaner 525, HydroCleaner 526, HydroCleaner 527, Tempseal 1037, Fixclean 1038

Cleaner

CleanRock 1115 - Universal cleaner for surfaces made of concrete and natural stones

Highly active concentrate porous cleaning of polluted, mineral surfaces.

Application:	Properties:	Packaging
Cleaning of facades, floor surfaces and concrete pavement. Not suitable for lime and marble.	Delivery form: Water-like liquid with a slight smell Solubility: Unrestricted in water PH: < 2 Dilution: Depending on pollution 1 : 1 up to 1 : 10 with water Ingredients: Silica acid, high active tenside and auxiliary materials Identification: Acidly, danger	10 kg

	Bloxil 1110	Duroks 1120 binding agent	Silocs 1127	PurSeal 1190
Components	1	1	2	1
Binding agent	Acrylic	Hybrid	Epoxy	Urethane
UV-resitant	●●●	●●●	●	●●●
For dry aggregates	●●●	●●●	●●●	●●●
For damp aggregates	-	-	●●●	-
Application recommended for				
Concrete pavement	●●●			
Natural stone pavement		●●●	●●●	●●●
Gardening and landscaping		●●●	●●●	●●●
Nature orientated road construction		●●●	●●●	●●●
Walkways, parking lots		●●●	●●●	●●●
Traffic areas		●	●●●	●●●
Sand carpets, decor covering				●●●

Excellent = ●●●

Very Good = ●●

Good = ●

Special cleaning agent for PUR and Epoxy resins

AquaSolv 720

High efficient safety solvent for all injection materials

Application:

Cleaning of Polyester, polyurethane, epoxy and polyurea polluted machines and equipment.

Properties:

Flashing point: >100°C
 Boiling point: > 200°C
 Labelling according to
 -Vbf: not applicable
 - Working material regulation: not applicable
 - Hazardous material regulation: not applicable

Packaging

10,0 kg
 200,0 kg

Care and conservation material for injection pumps

HydroMoll 722

Care and conservation agent, increases the life of the pumps.

Application:

Avoids valve sticking and disposal of resin left over inside the machine.

Properties:

Odour: Very weak
 Labelling according to
 - Vbf: not applicable
 - Working material regulation: not applicable
 - Hazardous material regulation: not applicable

Packaging

10,0 kg
 200,0 kg

Solvent for hardened PUR and epoxy resins

AquaClean 724

High efficient solvent for hardened PUR materials.

Application:

Solves hardened PUR resins.

Properties:
Packaging

10,0 kg

Cleaner for paving and concrete

CleanRock 1115 - Concentrate

Highly reactive cleaner for concrete, natural stone and facades.

Application:	Properties:	Packaging
Concrete paving Artificial stones Industrial floors Clinker Natural stone (no marble, travertine or calcareous stone)	PH: < 2 Dilution: 1:1 - 1:10	10,0 kg

Hydro Cleaner 725

All round cleaner for cement containing surfaces.

Application:	Properties:	Packaging
Universal cleaner for cement containing surfaces. Not for marble, glass and calcareous stones Do not apply on colour or varnish.		1,0 kg 5,0 kg 10,0 kg 25,0 kg

Hydro Cleaner 726

All round cleaner for marble and calcareous stones.

Application:	Properties:	Packaging
Universal cleaner for marble calcareous stones. Do not apply on colour or varnish.		1,0 kg 5,0 kg 10,0 kg 25,0 kg

Hydro Cleaner 727

Basic cleaner for heavily oiled concrete floors.

Works against oil and grease, can be used in combination with CleanRock 915 and Cleaner 525.

Application:	Properties:	Packaging
Removes oil and grease on concrete	Can be used in combination with CleanRock 915 and Cleaner 525.	1,0 kg 5,0 kg 10,0 kg 25,0 kg

Boroks Cleaner 1243 - against oil and grease

Alkaline cleaner, solves grease and dirt.

Application:	Properties:	Packaging
Cleans oil and grease on Concrete Metal Glass Clinker	Do not use for aluminium, not for colours and varnish.	1,0 kg 5,0 kg 10,0 kg 25,0 kg



LOGISTICS AND OPERATIONS

MCM Construction Products are manufactured at three different ISO 9001 certified facility which is located in Germany.

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We have a close partnership with the leading global logistics companies and we are able to offer our customers a timely and economical delivery options.



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