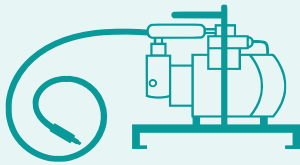


PRODUCT PORTFOLIO^{v2}



Injection Resins



Mining & Tunneling



Joint Sealing



Restoration



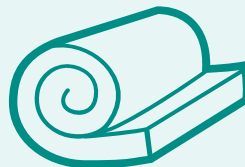
Coatings



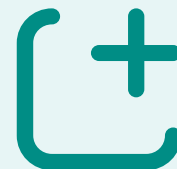
Thermal Insulation



Industrial



Auxillary



and more...

Welcome to MCM Construction Products

This is the second version of our product portfolio. Herein you will find the top selection of most innovative and advanced products for the construction industry.

Our aim is to solve our customers' problems in a most effective and cost efficient way possible.

As a solutions provider, we are able to offer highly customized products and systems for our clients' problems. In other words, we don't only deliver materials, we provide long-term solutions.

Our team of experts will help you choose the best materials for your most demanding projects.

In addition to product sales, we also offer technical support and project consultancy for our clients.

Benefit from decades of experience - choose the perfect material for your project!

With MCM Construction Products, you are always one step ahead!

MCM Construction
Products

by **mirava**

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Web: www.mirava.co

DIRECTORY

Injection Resins	5
Polyurethane Resins	7
Integra Series	13
Injection Rubber	16
Acrylic Resins	17
Silicate Resins	20
Epoxy Resins	23
Mining and Tunneling Products	24
Polyurethane Resins	25
Silicate Resins	27
Joint Sealing Systems	29
Sealing Tapes	30
Glues	32
Sealants	35
Restoration Products	37
Moisture Barriers	38
Repair Mortars	41
Special Paints	46
Surface Stabilization	48
Building Resin	50
Cement Additive	50
Coatings	51
Waterproofing	52
Surface Protection	55
Hydrophobising	64
Concrete Sealing	66
Metal Protection	69
Primers	70

DIRECTORY

Thermal Insulation Products	74
Building Insulation	75
Equipment Insulation	77
Industrial Products	78
Surface Protection	79
Concrete Sealing	81
Metal Protection	85
Equipment Insulation	87
Auxillary Materials	90
Surface Cleaners	91
Accelerators and Starters	92
Structure Foam	93
Corrosion Protection	93
Equipment Cleaners	94
Thinners	94

NOTE:

Since some of our products have multiple use cases, they may appear under different categories.

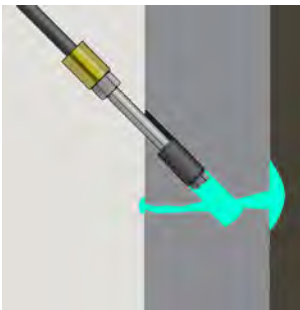


INJECTION RESINS

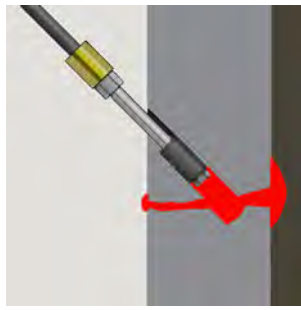
From small cracks to giant leaks.
We offer the most comprehensive
selection of injection resins for our
customers.

INJECTION RESINS

For sealing, filling, strengthening, stabilisation
For cracks, joints, areas and underground



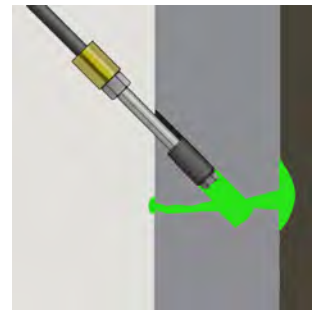
Polyurethane Resins



Integra Resins



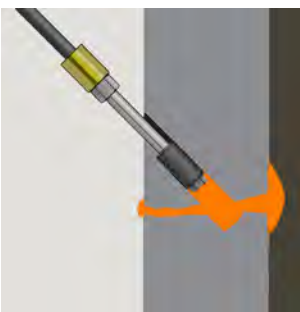
Epoxy



Acrylic Resins

When it comes to injection resins, we supply the whole range.
From classic types to ready to use "Integra" series!
We offer the perfect material for every problem.

All products are developed and made in our facilities in Germany.
Best quality, failure-proof and right material for every application.



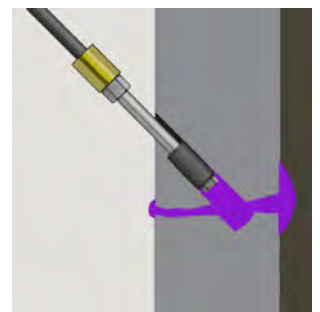
Silicate Resins



PUR Gels



Acrylic Gels

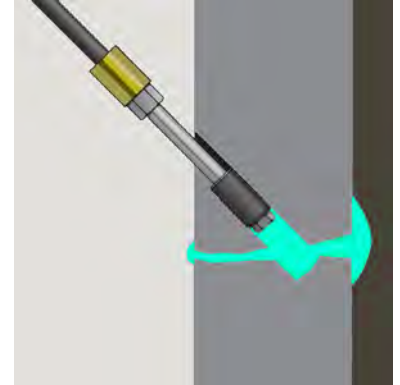


Silicate Gels

Polyurethane Resins

PU resins for waterproofing and consolidation

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



HYDROSTOP 700

flexible and swellable

Swellable polyurethane resin for crack filling.

Application:

Crack sealing,
Sealing of construction joints,
Injection hoses

Properties:

Mixing ratio: 1 : 1 by volume
Processing time t-gel: 60-80 minutes at 20°C
Processing temperature: > 8°C
Density mixed: 1,05 gr/ml (20°C)
Viscosity mixed: 150 cSt / +-30 (at 20°C)
Swellability: 150%
Tensile ability hardened: About 100%
Suitable for drinking water

Packaging:

A: 4,8 kg
A: 10,0 kg
A: 200,0 kg

B: 5,2 kg
B: 10,8 kg
B: 216,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722
Accelerator: Hydrolist 508, Hydrolist 509

Product ID: M50111

Polyurethane resins: we offer the whole range!

- ▶ 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
- ▶ and special products like injection rubber (HYDROSTOP 770)

Polyurethane Resins

HYDROSTOP 710 Foam

rigid

Fast water stop foam

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

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50011

Accelerator: Hydrolist 514

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

HYDROSTOP 715 Foam

Swelling foam! Singel Shot System - System 3-S

Elastic and swellable 2 C PU micro foam. Impermeable!

Application:	Properties:	Packaging:
Waterstop Sheet pile sealing Slurry wall sealing Working joints Dilatation joints	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	A: 10,0 kg A: 200,0 kg B: 11,0 kg B: 220,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50012

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

HYDROSTOP 716 Foam

Waterstop! Strengthening!

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

Application:	Properties:	Packaging:
Sealing Backfilling Joints Cracks Excavation Tunnelling Mining	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	A: 9,3 kg A: 28,0 kg A: 200,0 kg B: 10,6 kg B: 32,0 kg B: 220,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50014

Accelerator: Hydrolist 714

Polyurethane Resins

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

Packaging:

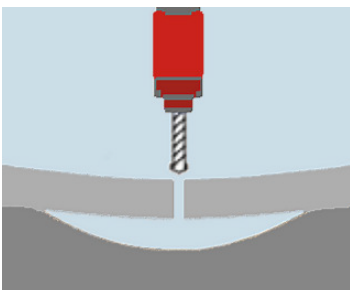
A: 38,0 kg
 A: 309 kg
 B: 31,5 kg
 B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

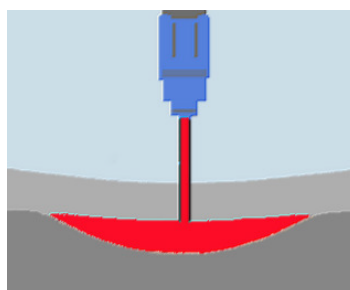
Product ID: M50017

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!

HYDROSTOP 821

Super flexible

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

Packaging:

A: 10,0 kg
 A: 30,0 kg
 A: 200,0 kg
 B: 0,50 kg
 B: 1,00 kg
 B: 10,00 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50015

Accelerator: Hydrolist 714

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

Polyurethane Resins

HYDROSTOP 840

Highly reactive thixotropic resin for anchoring

Application:

Anchor-resin
contact grouting

Properties:

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

Packaging:

A: 20,0 kg
A: 200,0 kg

B: 25,0 kg
B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50005

HYDROSTOP 841

Very fast injection resin with high strength

Application:

consolidation in tunnelling and mining
Water stop
Stabilisation
Strengthening

Properties:

Mixing ratio: 1 : 1 by volume
Processing time t-gel: possible between 15 s - 3 min
Viscosity Comp. A: 250 - 350 cSt (20°C)
Viscosity Comp. B: 250 - 450 cSt (20°C)
Density Comp. A: 1,05 g/ml (20°C)
Density Comp. B: 1,15 g/ml (20°C)
Expansion: till 10%
Also available as HydroStop PU 841-T
Controlled filling by thixotropic adjustment.

Packaging:

A: 31,5 kg
A: 210,0 kg

B: 34,5 kg
B: 230,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50006

HYDROSTOP 842

elastic

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

Application:

Dilatation Joints
Dynamic cracks
Water stop
Slurry walls

Properties:

Mixing ratio: 1 : 1 by volume
Processing time t-gel: possible between 20 s - 3 min
Viscosity Comp. A: 250 - 350 cSt (20°C)
Viscosity Comp. B: 250 - 450 cSt (20°C)
Density Comp. A: 1,05 g/ml (20°C)
Density Comp. B: 1,15 g/ml (20°C)
Expansion: up to 10%

Packaging:

A: 31,5 kg
A: 210,0 kg

B: 34,5 kg
B: 230,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50007

Polyurethane Resins

HYDROSTOP 844

Very fast reaction and excellent adhesion, weak foaming.

Application: Driving protection in tunnelling Strengthening Stabilisation Sealing	Properties: Mixing ratio: 1 : 1 after volume Processing time t-gel: possible between 20 s - 3 min Viscosity mixed: 200 - 300 cSt (20°C) Density mixed: 1,18 gr/ml (20°C) 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	Packaging: A: 25,0 kg B: 28,0 kg
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Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50008

HYDROSTOP 1400

Stabilisation and Sealing

Slightly foaming, fast reacting PUR resin.

Application: Soil consolidation Stabilisation Sealing Tunnelling Mining	Properties: Mixing ratio: 1 : 1 by volume Starting time: 10 s (20°C) Setting time: 35 s (20°C) Foam rate: 80 % Tensile strength: 4 Mpa	Packaging: A: 24,04 kg B: 30,00 kg
-----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50009

HYDROSTOP 1401

Slightly foaming, fast reacting PUR resin.

Application: Soil consolidation Stabilisation Sealing Tunnelling Mining	Properties: Mixing ratio: 1 : 1 by volume Setting time: 35 s (20°C) Foam rate: 80% Tensile strength: 4 Mpa	Packaging: A: 20,04 kg B: 30,00 kg
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Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50010

The most common applications for PUR foams are water stop and cavity filling. Due to their fast reaction and enormous increase in volume, they have become indispensable in waterproofing projects. For waterstop in joints and cracks, there are 1-component waterstop foams from very hard to super flexible.

For filling cavities and for consolidation, we recommend 2-component systems, as the foam volume is defined here and the "parlining" effect does not occur.

A particularly interesting and versatile application is the combination of 2-component foam with swelling capacity, the so-called swellable foam

Polyurethane Resins

HYDROSTOP 850 Purgout

Consolidation and stabilisation

High elastic PUR hydro gel. Concentrate!

Application:

Duct relining
 Slurry wall sealing
 Sheet pile sealing
 Curtain sealing
 Construction sealing
 Water stop

Properties:

Mixing ratio: 1 : 1 - 15 parts with water
 Processing time t-gel: depending on the amount of water
 Processing temperature: >5°C
 Density: 1,1 g/ml (20°C)
 Viscosity: 800 - 1800 cSt (at 20°C)
 Swellability: 100%

Packaging:

25,0 kg
 200,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722
 Accelerator: Hydrolist 576

Product ID: M50028

HYDROSTOP 860 Purgel

Suitable for standard 2 C machines MV 1 : 1

High elastic PUR hydro gel. Concentrate!

Application:

Duct relining
 Slurry wall sealing
 Sheet pile sealing
 Curtain sealing
 Construction sealing
 Water stop

Properties:

Mixing ratio: 1 : 1 - 2 parts with water
 Processing temperature t-gel: depending on the amount of water
 Processing temperature: > 5°C
 Suitable for the use in drinking water

Packaging:

25,0 kg
 200,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722
 Accelerator: Hydrolist 576

Product ID: M50029

Polyurethane Resins

Integra Series

- ▶ 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.

Polyurethane Resins

HYDROSTOP 775 Integra

fast reaction, swellable

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

Application:

Crack sealing
Working joint sealing
Injection hose sealing
Rock pocket sealing

Properties:

Mixing ratio: Ready for use
Processing time t-gel: No classic reaction time
Processing temperature: > 8°C
Density mixed: 1,12 g/ml (20°C)
Viscosity mixed: 120 +/- 10 cSt (at 20°C)
Suitable for the use in drinking water.

Packaging:

1 kg
15 kg

Cartridge a 520 g
12 Pcs / Carton
Cartridge a 400 ml
15 Pcs / Carton

Clean and care agent: Aquasolv 720, Aquamoll 722

Auxiliary materials: Akku Press hand pump 080, Gun 074

Product ID: M50001

NEW - ideal for small leakages : JETGO - 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 JETGO high-pressure gun for classic injection work.

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

JETGO Starter Set 775.1: contains 2 cartridges a. 520g, gun (40 kp press power), hose, 5 injection packer (daily packer PK-6)

JETGO refill- Set 775.1: 12 cartridges a 520 g, 1 hose

JETGO 775.2: 12 cartridges a 400 ml, suitable for guns JETGO H and JETGO E-080

Care agent 721: Preserving agent for JETGO-E gun. PE-cartridges a. 400 ml.



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

Integra Systems
Always one step ahead!

Polyurethane Resins

HYDROSTOP 710 Integra

waterstop foam

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

Packaging:

1,0 kg
2,5 kg
10,0 kg
200,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50002

**HYDROSTOP 710 Integra**

Multi-use foaming resin that starts reacting without any catalyst.

It is a single component resin that react with water or humidity in the building materials and provide permanent waterproofing.

After completing its expansion, it creates a non-porous and elastic foam.

With HYDROSTOP 710, every job is secure and perfect.

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)

Packaging:

33,0 kg
200,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50003

Polyurethane Resins

Injection Rubber

- ▶ rubber for injection, rubbery-elastic
- ▶ perfect for reconstruction of expansion joints
- ▶ Easy to process

HYDROSTOP 770 Rapid

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
dilatation joints*

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%

Packaging:

A: 10,8 kg

A: 200,0 kg

B: 10,0 kg

B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50004

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.



Before HYDROSTOP 770

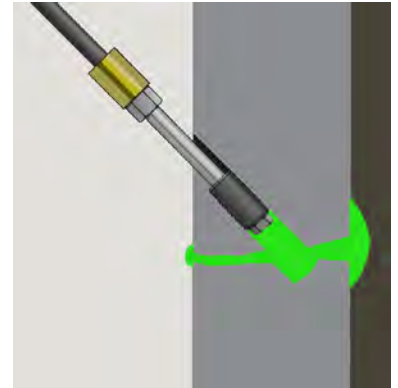


After HYDROSTOP 770

Acrylic Resins

Acrylic injection resins

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



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

Acrylic resins

Green Systems = cleaning without solvents

Nonpositive injections up to -10°C

Adhesion on wet surfaces, no foaming.

Acrylic Resins

HYDROSTOP 783 Inject

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% Suitable for the use in drinking water Corrosion resistance of reinforcement certified Application-technical certified Determination of tear strength on concrete tested	Packaging: A: 5,0 kg A: 10,0 kg A: 200,0 kg B: 5,0 kg B: 10,0 kg B: 200,0 kg
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Clean and care agent: Water

Accelerator: Hydrolist 585, Hydrolist 586, Hydrolist 587

Auxiliary materials: Komprifoam 330

Product ID: M50018

HYDROSTOP 730 Acrigel

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

Application: Curtain injection Construction sealing Crack injection Duct relining Slurry wall sealing Sheet pile sealing Consolidation and stabilisation	Properties: Mixing ratio: 1 : 1 by volume Processing time t-gel: between 10 s and 120 minutes possible Processing temperature: >0°C Density mixed: 1,15 - 1,017 g/ml (20°C) Viscosity mixed with water: about 3,2 cSt (at 20°C) Swellability: 100% Suitable for the use in drinking water	Packaging: 28,0 kg 200,0 kg 1.000,0 kg
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Clean and care agent: Water

Accelerator: Hydrolist 746, Hydrolist 748, Hidrox 749

Auxiliary materials: Komprifoam 330, Hydrostop Acriblend 740

Product ID: M50019

**AcriGel 730 the all rounder - One gel, in any case.
 T-gel between 10 seconds and 2 hours are possible**

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

Acrylic Resins

HYDROSTOP 740 AcriBlend

additive

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

Application:

Curtain injection
Construction sealing
Crack injection
Duct relining
Slurry wall sealing
Sheet pile sealing
Consolidation and stabilisation

Properties:

Mixing ratio: 1 : 1 by volume
Processing time t-gel: between 10 s and 120 minutes possible
Processing temperature: >0°C
Density: 1,05 g/ml (20°C)
Viscosity: 25 - 40 cSt (at 20°C)
Swellability: 100%

Packaging:

25,0 kg
200,0 kg
1.000,0 kg

Clean and care agent: Water

Product ID: M50020

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



Anchor head during injection with

HydroStop AcriGel 730
+
HydroStop AcriBlend 740

SILIMIX 735

mineral additive

Mineral compound for Hydrostop Acrigel 730 to increase solid content for cavity filling. As fast setting swellable stone.

Application Type 735.3:

- Filling of cavities

Application Type 735.2:

- Waterstop
- Sheet pile wall
- Diaphragm wall
- Bored pile wall
- Spray sealing
- Filling of cavities

Properties:

finely divided powder (delivery form)
thixotropic suspension (mixed)
Colour: light-grey
Odour: very weak
pH: > 9
Solid content: 100 % (delivery form)

Packaging:

25,0 kg

Clean and care agent: Water

Accelerator: Hydrolist 746, Hydrolist 748, Hidrox 745

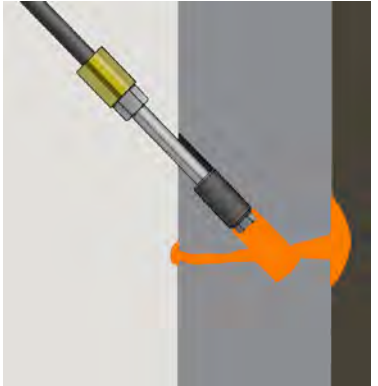
Auxiliary materials: Hydrostop 730 Acrigel

Product ID: M50021

Silicate Resins

Silicate injection resins

- ▶ solidify brittle rock and soil
- ▶ shrinkage free
- ▶ loadable after short period of time
- ▶ can be used as anchor resin



HYDROSTOP 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
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)

Packaging:

A: 33,0 kg
A: 264,0 kg
B: 28,0 kg
B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50022

HYDROSTOP 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
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

Packaging:

A: 33,0 kg
A: 264,0 kg
B: 28,0 kg
B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50023

HYDROSTOP 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
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 12 - 15

Packaging:

A: 33,0 kg
A: 264,0 kg
B: 28,0 kg
B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50024

Silicate Resins

HYDROSTOP 797

does not foam

Fast reacting organo mineral resin with high stability.

Application:	Properties:	Packaging:
Structure consolidation	Mixing ratio: 1:1 by volume	A: 38,0 kg
Sealing injection at big water pressure	Gel time t-gel: 100 - 135 seconds (at 20°C)	B: 31,5 kg
Anchor technique	Setting time: 3 - 4 minutes	
	Density: Comp. A 1,4 - 1,5 g/ml, Comp. B 1,15 - 1,2 g/ml (at 20°)	
	Viscosity: Comp. A 400 - 500 mPas, Comp. B 180 - 200 mPas (at 20°C)	

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50025

HYDROSTOP 798

does not foam

Hard and tough injection resin used for stabilisation of loose structures in mining and tunneling.

Application:	Properties:	Packaging:
Hardenong and stabilisation of refractioned seams.	Mixing ratio: 1:1 by volume	A: 38,0 kg
Secure driving in tunneling	Gel time t-gel: 115 - 145 seconds (at 20°C)	B: 31,5 kg
Hardening of soil and granular soil.	Setting time: 4 - 5 minutes	
	Density:	
	Comp. A 1,24 +/- 0,05 g/ml at 30°C	
	Comp. B 1,10 +/- 0,05 g/ml at 30°C	
	Viscosity:	
	Comp. A ~ 20 - 25 mPa.s at 30°C, DIN Nozzle 4	
	Comp. B 80 - 90 mPa.s at 30°C	

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50026

ROKBOND 1183 Soil Binder

up to -10°C, fast setting

Binding agent for cohesive soils in mix and place technique

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

Product ID: M50027

Silicate Resins

PURSEAL 912

silica gel

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

Packaging:

A: 30 kg
 A: 200,0 kg
 A: 1.000,0 kg

 B: 30 kg
 B: 200,0 kg
 B: 1.000,0 kg

Product ID: M50030

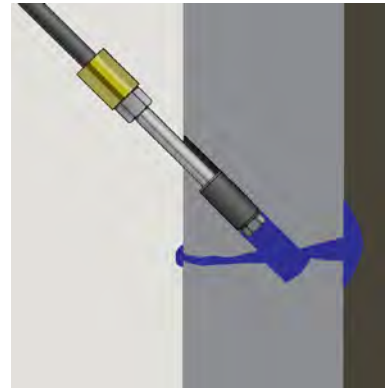


Bottom sealing with PURSEAL 912

Epoxy Resins

Epoxy injection resins

- ▶ shrinkage free
- ▶ loadable after short period of time
- ▶ perfect for static connections



SILOCS 1000

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

Application:

Working joint sealing
 Crack repair
 Injection of hoses
 Non-positive connection
 Consolidation and stabilisation

Properties:

Mixing ratio: 2 : 1 (A : B)
 Processing time t-gel: 40 - 50 minutes at 20°C
 Processing temperature: 8°C - 35°C
 Density mixed: 1,03 +/- 0,1 g/ml (20°C)
 Viscosity mixed: 145 +/- 50 mPas (at 20°C)
 Elongation capacity: about 10 %

Packaging:

A: 1,0 kg
 A: 10,0 kg
 A: 200,0 kg
 B: 0,5 kg
 B: 5,0 kg
 B: 100,0 kg

Product ID: M50069



MINING AND TUNNELING

These are the materials that are frequently used in mining and tunneling projects. We also develop specialized products for unique problems and applications.

Polyurethane Resins

Mining and Tunneling Resins

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



HYDROSTOP 840

Highly reactive thixotropic resin for anchoring

Application:

Anchor-resin
contact grouting

Properties:

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

Packaging:

A: 20,0 kg
A: 200,0 kg

B: 25,0 kg
B: 250,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50005

HYDROSTOP 841

Very fast injection resin with high strength

Application:

consolidation in tunnelling and mining
Water stop
Stabilisation
Strengthening

Properties:

Mixing ratio: 1 : 1 by volume
Processing time t-gel: possible between 15 s - 3 min
Viscosity Comp. A: 250 - 350 cSt (20°C)
Viscosity Comp. B: 250 - 450 cSt (20°C)
Density Comp. A: 1,05 g/ml (20°C)
Density Comp. B: 1,15 g/ml (20°C)
Expansion: till 10%
Also available as HydroStop PU 841-T
Controlled filling by thixotropic adjustment.

Packaging:

A: 31,5 kg
A: 210,0 kg

B: 34,5 kg
B: 230,0 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50006

Polyurethane Resins

HYDROSTOP 842

elastic

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

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

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50007

HYDROSTOP 844

Very fast reaction and excellent adhesion, weak foaming.

Application:	Properties:	Packaging:
Driving protection in tunnelling	Mixing ratio: 1 : 1 after volume	A: 25,0 kg
Strengthening	Processing time t-gel: possible between 20 s - 3 min	
Stabilisation	Viscosity mixed: 200 - 300 cSt (20°C)	B: 28,0 kg
Sealing	Density mixed: 1,18 gr/ml (20°C)	
	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, Aquamoll 722

Product ID: M50008

HYDROSTOP 1400

Stabilisation and Sealing

Slightly foaming, fast reacting PUR resin.

Application:	Properties:	Packaging:
Soil consolidation	Mixing ratio: 1 : 1 by volume	A: 24,04 kg
Stabilisation	Starting time: 10 s (20°C)	
Sealing	Setting time: 35 s (20°C)	B: 30,00 kg
Tunnelling	Foam rate: 80 %	
Mining	Tensile strength: 4 Mpa	

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50009

HYDROSTOP 1401

Slightly foaming, fast reacting PUR resin.

Application:	Properties:	Packaging:
Soil consolidation	Mixing ratio: 1 : 1 by volume	A: 20,04 kg
Stabilisation	Setting time: 35 s (20°C)	
Sealing	Foam rate: 80%	B: 30,00 kg
Tunnelling	Tensile strength: 4 Mpa	
Mining		

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50010

Silicate Resins

HYDROSTOP 791

Fast reacting organo-mineral resin with high stability.

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

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50022

HYDROSTOP 793

small foam factor

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

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

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50023

HYDROSTOP 794

high foam factor

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

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

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50024

Silicate Resins

HYDROSTOP 797

does not foam

Fast reacting organo mineral resin with high stability.

Application:

Structure consolidation
Sealing injection at big water pressure
Anchor technique

Properties:

Mixing ratio: 1:1 by volume
Gel time t-gel: 100 - 135 seconds (at 20°C)
Setting time: 3 - 4 minutes
Density: Comp. A 1,4 - 1,5 g/ml, Comp. B 1,15 - 1,2 g/ml (at 20°)
Viscosity: Comp. A 400 - 500 mPas, Comp. B 180 - 200 mPas (at 20°C)

Packaging:

A: 38,0 kg
B: 31,5 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50025

HYDROSTOP 798

does not foam

Hard and tough injection resin used for stabilisation of loose structures in mining and tunneling.

Application:

Hardenong and stabilisation of refractioned seams.
Secure driving in tunneling
Hardening of soil and granular soil.

Properties:

Mixing ratio: 1:1 by volume
Gel time t-gel: 115 - 145 seconds (at 20°C)
Setting time: 4 - 5 minutes
Density:
Comp. A 1,24 +/- 0,05 g/ml at 30°C
Comp. B 1,10 +/- 0,05 g/ml at 30°C
Viscosity:
Comp. A ~ 20 - 25 mPa.s at 30°C, DIN Nozzle 4
Comp. B 80 - 90 mPa.s at 30°C

Packaging:

A: 38,0 kg
B: 31,5 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Product ID: M50026

Silicate resins 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.



JOINT SEALING

Here are the products that allow you to seal, waterproof or secure various types of joints in buildings.

Sealing Tapes

Sealing Tapes

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

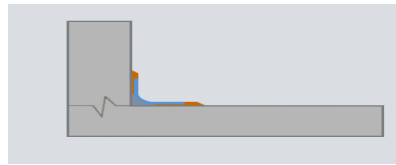


Tape sealing systems

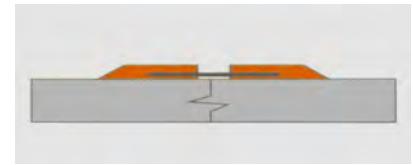
Tapes made of elastomeric films and matched adhesive systems. For indoor and outdoor use. For sealing of joints, gaps and cracks against pressurised and standing water. For new constructions and reconstruction.



Dilatation joint sealing



Groove sealing



Crack sealing

AQUAFLEX 472 Tape

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:

Construction joints
Construction elements
Wide cracks

Properties:

Colour: black
Thickness: 1,6 mm
Non aging EPDM
Breaking elongation: > 300%
Water tight: up to 4 bar
Self gluing tape to tape: Yes
Adhesion on wet surface:
AquaFlex Glue
Bonding -10°C - 5°C: Rocryl Glue 519
Dimenisions: 10-20-25-33-50-100 cm

Packaging:

20 m / roll

Mounting accessories: AquaFlex 473 Glue, Rocryl 519 Glue

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

Product ID: M50031

Sealing Tapes

AQUAFLEX 475 Tape

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 <0°C with Rocryl!

Application: Construction joints Construction elements Wide cracks	Properties: Colour: grey Thickness: 1,5 mm Elongation at fracture: > 300% Water pressure resistance: 4 bar Water vapour diffusion no: 20.000 µ Root stable: Yes Dimensions: 16-20-33-50-105 cm	Packaging: 25 m / roll
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Mounting accessories: Sylpox 1026 Glue, AquaFlex 775 S Glue

Product ID: M50032

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

AQUAFLEX 476 Tape

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: 10-15-20-33-50-100 cm	Packaging: 20 m / roll
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Mounting accessories: Aquaflex 473 Glue, Rocryl 519 Glue

Product ID: M50033

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

Glues

AQUAFLEX 473 Glue

Epoxy glue suitable for damp surfaces

Epoxy glue for Aquaflex 472 Tape

Application:

Glue for AquaFlex Membrane 472 even on damp surfaces.
Not for gluing tape on tape.

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
Adhesion on concrete: 6 kN/mm²
Suitable for the use in drinking water

Packaging:

A: 3 x 1,0 kg
B: 3 x 1,0 kg

Auxiliary materials: AquaFlex sealing tapes

Product ID: M50034

AQUAFLEX 475-S Glue

Welding agent for flexible foil connections

Application:

Welding agent for AquaFlex sealing tapes

Properties:

Delivery form: Ready to use
Colour: transparent
Density: 1,25 g/ml (20°C)
Viscosity: liquid, slightly thixotropic
Curing time: 10 - 20 min (20°C)
Processing / storage temperature: +8°C up to 40°C
Final strength: approx. after 7 days

Packaging:

6 x 0,5 kg

Auxiliary materials: AquaFlex sealing tapes

Product ID: M50110

ROCRYL 519 Glue

Suitable up to -10°C

PMMA glue for Aquaflex Membranes 472, 476

Application:

Glue for AquaFlex Membrane 472, 476, at < 5°C or when faster setting times are required.

Properties:

Mixing ratio: 1 - 5 % hardener
Texture: Pasty like
Density: 1,5 g/ml
Processing time: Depending on the additional amount of accelerator and temperature
35 - 40 Minutes (20°C)
Processing temperature: +40°C - -10°C
(from 0°C additional use of Hydrolist 585, max. 2%)
Adhesion on damp concrete: No

Packaging:

A: 10,0 kg
A: 25,0 kg
B: 10,0 kg
B: 25,0 kg

Mounting accessories: Rocryl 530 Hardener

Product ID: M50035

Glues

SYLPOX 1026 Glue

Epoxy glue, suitable for wet surfaces

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

Application: Mounting of AquaFlex sealing tape 475	Properties: Mixing ratio: 1 : 0,35 after weight (A : B) Colour: light-grey Texture: 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	Packaging: A: 7,4 kg B: 2,6 kg
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Mounting accessories: Rocryl 530 Hardener

Product ID: M50036

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



AQUAFLEX TAPES AND GLUE

With the right tape and glue combinations, sealing tapes offer an ideal solution for the most challenging joint sealing projects.

Please consult your sales representative before making a tape or glue selection as we offer special types for unique projects.

Sealants

HYPOX 557 Sealant

high elastic joint sealing

High elastic joint sealing suitable for wet surfaces Durable and resistant.

Application:

Closing and sealing of joints.

Not suitable for pressurised water.

Properties:

Delivery form: 2 Components

Colour: Grey (Similar to cement)

Density: Approx. 0,45 g/ml (mixed) (20°C)

Odour: Very weak, typical for the product

Packaging:

A: 2,0 kg

A: 12,5 kg

B: 0,1 kg

B: 0,625 kg

Clean and care agent: Aquasolv 720

Auxiliary material: JetFix Screw pump

Product ID: M50037

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

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

Packaging:

A: 26,75 kg

B: 6,25 kg

Clean and care agent: Aquasolv 720, Aquamoll 722

Auxiliary material: DuraFlex Primer 671

Product ID: M50121

ROCRYL 526

PMMA, elastic!

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

Application:

Cracks

Connections

Working joints

In floors

Properties:

Basis: PMMA

Delivery form: 2 Components

Colour: natural or RAL

Density: 1,0 g/cm³, 20°C

Viscosity: 800 - 800 cSt

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

Packaging:

A: 10,0 kg

B: 30,0 kg

B: Rocryl 530

Clean and care agent: Aquasolv 720

Auxiliary material: Rocryl Base Coat 520

Product ID: M50109

Sealants

ROCRYL 526 X

PMMA, elastic , self-supporting.

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

Application:	Properties:	Packaging:
Cracks	Basis: PMMA	A: 10,0 kg
Connections	Delivery form: 2 Components	A: 30,0 kg
Working joints	Colour: natural or RAL	
In floors	Density: 1,0 g/cm ³ , 20°C	B: Rocryl 530
	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, mechanical easy loadable	
	Final strength: 24 h	

Clean and care agent: Aquasolv 720

Product ID: M50108

Auxiliary material: Rocryl Base Coat 520, Screed needle 75

ROCRYL 527

non-positive applications

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

Application:	Properties:	Packaging:
Grouting of cracks	Basis: PMMA	A: 10,0 kg
Needling of cracks	Mixing ratio: 1% - 4% hardener Rocryl 530	B: 0,5 kg
	Processing time t-gel: ~15 Min, 20°C, 2% hardener	B: 10,0 kg
	Setting time: 2% Hardener, 20°C, 45 minutes after mixing	B: 25,0 kg
	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	

Clean and care agent: Aquasolv 720

Product ID: M50107

Auxiliary material: Screed needle 75

AQUASEAL 555

swellable glue and "swelling tape in the cartridge"

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

Application:	Properties:	Packaging:
Building element lead through	Mixing ratio: Ready for use	Cartridge a 310 ml
Joint sealing	Consistency: pasty	12 cartridges / Carton
Glue and levelling paste for	Adhesion: Mat clammy concrete and a lot of	
HydroTape water bar	other surfaces	
	Setting time 5 mm string: 24 h	
	(20°C / 60% relative humidity)	
	Density: 1,42 g/ml	
	Swellability: > 100%	

Auxiliary materials: Aqualex sealing tapes, Jetgo Gun 074

Product ID: M50127

Sealants

AQUASEAL 560

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

Product ID: M50129

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:

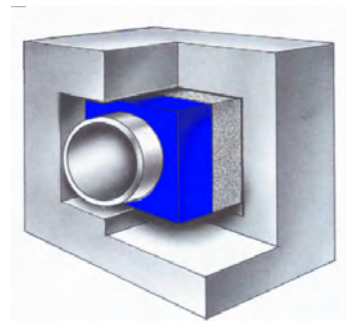
310 ml Cartridge
 12 Pieces / Carton

Product ID: M50130

The bonding agent of Aquaseal 566 is specially modified and creates a skin in contact with air, this seals the surface of the mastic. There are no other differences between the two types of HydroStop. The use of the modified HydroStop 366 is recommended for applications where the sticky surface is troublesome and where similar competitive products need a special coverage.

AQUASEAL 566 • Permanent elastic

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



TOPSEAL 1270

sealing building components against wind and air

Sprayable and brushable air seal, liquid film for sealing components.

Application:

Wind sealing & air sealing
 Primer, acts as a bonding agent
 Waterproofing of building component connections.

Properties:

Component: Ready to use
 Color: Blue
 Density: 1.31 + 0.05g @25°C
 Application: Spray or manual
 Application temperature: +5°C to +60°C
 Drying: approx. 12 - 48 h @20°C, 65% rel. humidity in the air, depending on the layer thickness

Packaging:

310 ml Cartridge
 12 Pieces / Carton

Product ID: M50128



RESTORATION PRODUCTS

Restoration jobs become a lot easier with the right application technique and material. Here are the best products to tackle any repair and restoration project.

RESTORATION PRODUCTS

Moisture Barriers

DRYCON

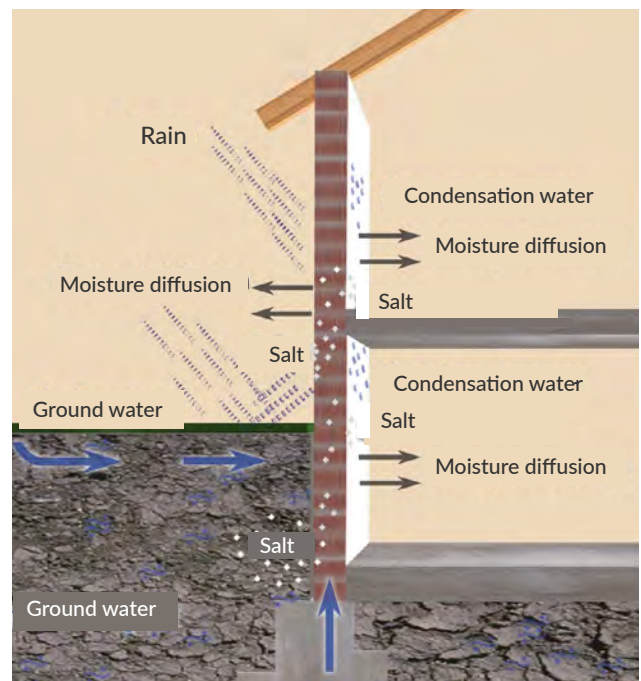
One-of-a-kind damp diffusion mortar for eliminating the excess moisture which damages your buildings and walls. One time application, life-long protection. Available as an additive or pre-mixed, DRYCON will regulate the moisture inside your building and eliminate the mold and mildew forever.

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.

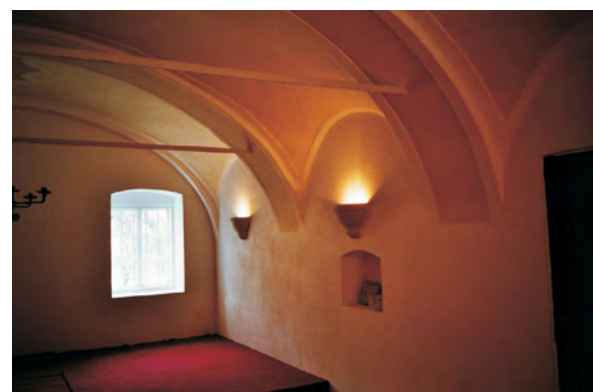
Once applied, DRYCON acts as a permanent moisture regulator for your buildings.

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.

**One time application,
Lifetime protection...**



Before DRYCON



After DRYCON

Moisture Barriers

DRYCON

Special Mortar 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

Clean and care agent: Water

Product ID: M52001

DRYCON / Additional Documentation:

We have extensive documentation on DRYCON Special Mortar Additive, including TDS, MSDS, Flyers, Reference Projects and more. To get a copy of our "Info-Pack" please send us an email at info@mirava.co and we will be happy to send you the link.

HYDROSTOP 906

Concentrate

Silicone micro-emulsion for horizontal barriers. Solvent free.

Application:

Horizontal barrier
maximum moisture penetration
grade 80%

Properties:

Mixing ratio: 1 : 10 (A : Water)
Processing time t-gel: Not applicable
Processing temperature: > 0°C
Density mixed: 0,98 gr/ml (20°C)

Packaging:

25,0 kg
200,0 kg

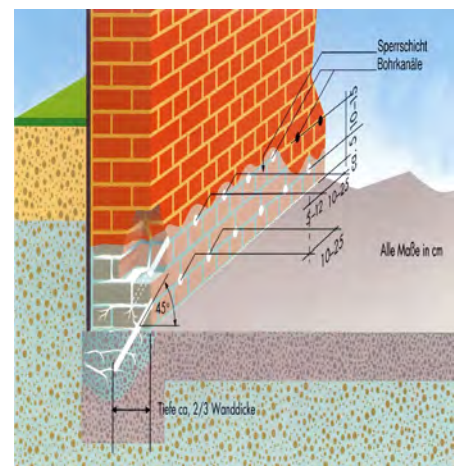
Clean and care agent: Water

Product ID: M50038

HydroStop horizontal barrier

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

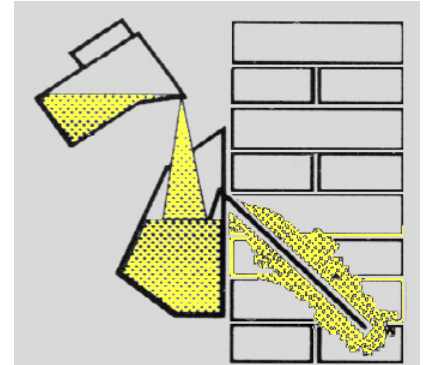
HydroStop - horizontal barriers and sealing agents stop capillary rising of humidity and ensure dry walls.



Moisture Barriers

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

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



HYDROSTOP 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

Packaging:

1,0 kg
5,0 kg
25,0 kg

Clean and care agent: Water

Product ID: M50039

HYDROSTOP 915

Injection paste (creme)

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

Application:

Horizontal barrier
maximum moisture penetration
grade 95%

Properties:

Mixing ratio: ready for use
Processing time t-gel: not applicable
Processing temperature: > 0°C - 30°C
Density: 0,93 kg/l (20°C)

Packaging:

Cartridge
310 ml
11 Litre bucket

Clean and care agent: Aquasolv 720

Product ID: M50040

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.

Repair Mortars

NATUROCK 381

Geo Polymer Mortar

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

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

Product ID: M50044

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

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

Reactive (B) and processing times of Naturack 381

Reactive-B1: Processing time of 2 minutes for dry spray application

Reactive-B2: Processing time of 20 minutes

Reactive-B3: Processing time of 30 minutes

Reactive-B4: Processing time of 40 minutes

Not alkaline, without cement and lime and gypsum.

Geo building materials Natural-just made of stone!

Repair Mortars

NATUROCK 385 Injection

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	Packaging: A: 20,0 kg B: 25,0 kg
-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------

Product ID: M50045

NATUROCK 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

SILEKS 1132

Waterstop mortar

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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Product ID: M50046

Repair Mortars

FILLEX 1164 Mortar

Elastified mortar with excellent adhesion properties to concrete and steel. Adheres to damp surfaces.

Application:

Flexible filling of cracks, gaps and joints.

Properties:

Mixing ratio: 100 : 40 (with water)
Working time: 90 minutes at 20°C
Density: 1.7 g/ml fresh mortar
Consumption: 1.7 kg/m² for 1 mm layer thickness

Packaging:

A: 25,0 kg
B: 10,0 kg

Clean and care agent: Water

Product ID: M50106

CEMSEAL 1129 Flex Mortar

Elastic Casting Mortar

Cemseal 1129 is a new processing optimised casting mortar with flexibility made for cavity or joint filling.

Application:

Casting mortar with flexibility made for cavity or joint filling. .
Resistant against salts and sulphates
No shrinking after setting
Elasticity / flexibility

Properties:

Composition: Special-cement, minerals and additives
Processing temperature: +5°C - +30°C
Delivery form A = PE-bag a 20 kg, B = PE Can 5 kg
Consumption ~ 1,7 kg per liter cavity volume

Packaging:

A: 20,0 kg
B: 5kg

Clean and care agent: Water

Product ID: M50047

KALSIL 1172

Injection mortar for historic buildings

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

Packaging:

25,0 kg

Clean and care agent: Water

Product ID: M50048

HYDROSTOP 1138 Fix

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

Packaging:

A: 1,5 kg
A: 25,0 kg
B: 0,51 kg
B: 8,50 kg

Clean and care agent: Water

Product ID: M50115

Repair Mortars

SILECS 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
Consumption: Approx. 2 kg/m² per mm layer thickness

Packaging:

25,0 kg

Clean and care agent: Water

Product ID: M50117

SILECS 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
Consumption: Approx. 2,1 kg/m² per mm layer thickness

Packaging:

25,0 kg

Clean and care agent: Water

Product ID: M50118

SILECS 1163

Fine spattle

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

Application:

End coating on top of Silex 961 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
Consumption: Approx. 2,2 kg/m² per mm layer thickness

Packaging:

25,0 kg

Clean and care agent: Water

Product ID: M50119

DIFFERENCE BETWEEN SILECS REPAIR MORTARS

SILECS mortars have different roughness and may be used for different applications.

Silecs 961: reprofile and filling (large gaps)

Silecs 962: small repairs and smooth

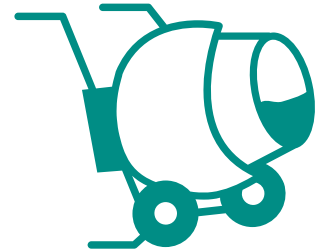
Silecs 963: fine mortar for final smoothing

It is advised that right material to be used for the job on hand. If unsure, we offer free material consultation to our clients. If you may have any questions, please contact us and one of our representatives will be happy to assist you.

Repair Mortars

CEMSEAL 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 1063**

also available in white

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

Application:

Negative sealing for extreme, rear water pressure
Rigid sealing of floor space, also suitable as coating in underground parking.

Properties:

Mixing ratio: 1 : 1 (A : B)
Density mixed: 1,70 g/ml
Consumption: 3,4 kg/m² for 2 mm layer thickness
Processing time: t-gel 30 - 40 minutes (20°C)
Curing time: app. 12 hours
Diluting agent: water
Colour: concrete grey, white
Diffusion open: Yes

Packaging:

A: 1,0 kg
A: 20,0 kg

B: 1,0 kg
B: 20,0 kg

Clean and care agent: Aquasolv 720

Auxiliary materials: Special Primer 1067

Product ID: M50105



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

Special Paints

HYDROSTOP 950

Waterproof paint

Repair paint. Decorative protection and barrier coating for wet walls.

Application:

Decorative coating of wet or clammy walls. Diffusion open, avoids simultaneously blooming and water spotting.
Suitable for wood.

Properties:

Mixing ratio: Ready for use
Colour: white, shading in pastel tones is possible
Processing temperature: > 5°C
Density: 1,40 - 1,45 gr/ml
Consumption: 250 gram per m² on flat surfaces, per coating
Waterproof: Yes, also with negative water pressure
Diffusion open: Yes
Adheres to emulsion colour and can be over coated with emulsion colour.
Fungicide surface prevents the growth of mould.

Packaging:

1kg
15kg

Clean and care agent: Water

Auxiliary material: SealMortar 1130, Silecs 1131

Product ID: M50041



HydroStop 950 not only adheres securely to wet surfaces*, it reliably prevents the formation of blisters and the blooming of salts on the surface!!

*Test specimen, after 100 days of water storage!

✓ easy to use

✓ excellent adhesion

✓ first-class coverage

✓ very long service life

Special Paints

CEMSEAL 1241

Mineral paint

Ultimate colour for interior and exterior, renovation and new construction. It is effective against mould on wet walls.

Application:

Facades and inner areas made of mineral building materials.
For damp and wet surfaces
Suitable for wet rooms and areas which are endangered by mould

Properties:

Mixing ratio: Dry mixture 10 kg + 3,5 - 4 Litre water
Consumption: 0,4 - 0,7 kg/m²
Processing temperature: +5°C - +30°C
Processing: Spray or paint

Packaging:

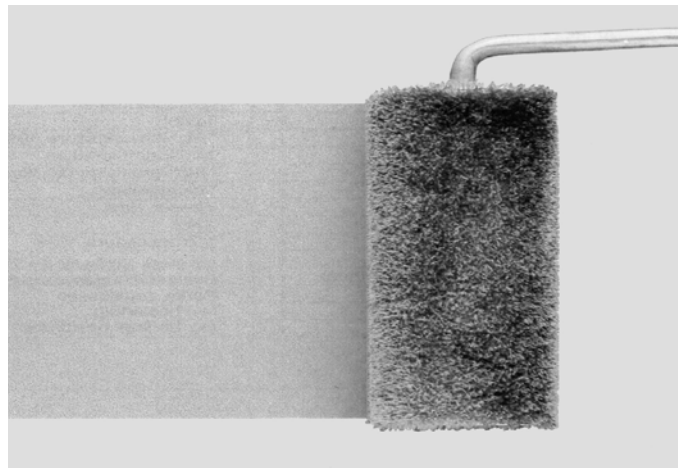
10kg

Clean and care agent: Water

Product ID: M50042

Product Features

- ▶ permeable to diffusion - breathable
- ▶ no film formation
- ▶ water-repellent
- ▶ completely odorless, allergen-free
- ▶ no solvents, no plasticizers



Creating smooth and clean surfaces

CEMCOLOR 1247

Alkali-resistant color concentrate

Universal tinting concentrates for HydroStop 950 and CemSeal 1241

Application:

Tinting concentrate for HydroStop 950 and CemSeal 1241.
High quality, long-lasting colors

Properties:

Mixing ratio: 3-5% maximum
Color Group 1: Oxyd fawn, Oxyd red, Oxyd ocher
Color Group 2: Oxyd camel, Oxyd chestnut, Oxyd stone gray
Color Group 3: Oxyd brilliant black

Packaging:

200 ml
5 kg
25 kg

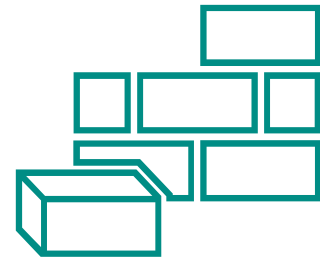
Clean and care agent: Water

Product ID: M50043

Surface Stabilization

Surface Stabilization

Our stabilization products allow you to strengthen and stabilize loose building materials and create strong surfaces that are resistant to external factors.



PURSEAL 920

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 kg
25,0 kg

Auxiliary material: HydroStop SI 941

Product ID: M50070

PURSEAL 925

Stabilization of building materials

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

Application:

Solidifies and hardens rough porous natural stone, plaster and joint mortar.

Not for weak sucking materials like ceramic, hard natural stones, clinker.

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

Packaging:

10,0 kg
25,0 kg

Immediately water resistant - suitable for floors.

Auxiliary material: HydroStop SI 909, HydroStop Si 942

Product ID: M50071

PURSEAL 920: excellent for historical monuments and sandstone.

Deep penetration and in special situations injectable for inner strengthening.

Clean surfaces properly before stabilisation treatment and protect additionally with surface hydrophobisation such as HYDROSTOP 942.

Surface Stabilization

PURSEAL 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 sandstone

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:

10,0 kg

25,0 kg

Auxiliary material: HydroStop 909, HydroStop 942

Product ID: M50072

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 942.

SILECS 1144 Neutra

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

Product ID: M50080

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

Building Resin

DUROCS 1120

1 Component-Binding agent

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

Application:

Joint mortar
Water-permeable, hard coverings,
optical characteristic is close to
nature
Ways for light traffic
Places around trees

Properties:

Consumption: 2 - 4 weight. % based on mineral component
Processing time: about 40 - 60 minutes (depending on temperature)
Viscosity: 850 +- 200 mPas (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

Packaging:

0,75 kg
10,00 kg

Auxiliary materials: Aquasolv7520, Cleanrok 1115, Hydrocleaner 725/726/727

Product ID: M50125

Cement Additive

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:

Repair mortar
Industrial floors
Bonded screed
Centrifugally cast concrete parts
Plaster, sealing slurries,
Concrete parts etc.

Properties:

Solid content: About 45%
Viscosity: 70 - 80 cSt
Density: 1,07 g/ml (20°C)
PH-amount: 5,5

Packaging:

10,0 kg
25,0 kg
200,0 kg
1000,0 kg

Auxiliary materials: Aquasolv7520, Cleanrok 1115, Hydrocleaner 725/726/727

Product ID: M50126

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



COATINGS

From waterproofing to surface protection, we offer a wide variety of coatings that will seal and protect your buildings, for many years to come.

Waterproofing

Waterproofing coatings

Coatings that are ideal for waterproofing surfaces either from positive or negative side. Chemically advanced materials allow users to protect surfaces against water with ease.



BAUSEAL 1114

Highly elastic, stretchable, tear and tensile resistant, bridges cracks, is light and weather resistant.

Application:

Sealing membrane, excellent adhesion on nearly all building materials for all types of structures, Indoor and outdoor use. Combines properties of classic sealing slurries, bituminous thick coatings and spray films.

Properties:

Mixing ratio: 1 : 1 by weight (A : B)
 Processing time: about 60 minutes at 20°C
 Density: 1,10 - 1,12 g/ml
 Consumption: 1,1 kg/m² for 1 mm layer thickness
 Diffusion resistance: 1800 (steam)
 Minimum layer thickness: 2 mm

Packaging:

A: 25,0 kg
 B: 25,0 kg

Clean and care agent: Water

Auxiliary materials: Bauseal 1113 Primer

Product ID: M50049

BOROKS 3233 Roof

Ultra Elastic, 100% waterproof, long lasting roof coating for porous and flat surfaces.

Application:

Over new or existing roof systems
 Very simple application
 100% UV resistance
 Long lasting (15+ years)
 Extreme flexibility
 100% waterproof

Properties:

Components: A liquid, B powder
 Mixing ratio: 1:1 (by weight)
 Odour: weak
 Consumption: 1,3 - 1,4 kg/m² per 1 mm wet film layer
 Appearance: grey pasty material

Packaging:

A: 10 kg
 A: 20 kg
 B: 10kg
 B: 20 kg

Clean and care agent: water

Product ID: M50050

Waterproofing

Polyurea-Spray membrane:

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

Sealing + protection with DUROPOLY

- ▶ Roofs
- ▶ Bridges
- ▶ Parking decks
- ▶ Silos
- ▶ Retention basins
- ▶ TopCoat for Hydrofoam insulating foam systems



DUROPOLY 880

highly reactive spraying membrane, Polyurea Hybrid

High reactive polyurea-spray elastomere

Application:

Seamless, durable and extreme wear-resistant protective coating. Useable on vertical or overhead surfaces.

Properties:

Mixing ratio: 1 : 1 after volume
 Tensile modulus (N/mm²): 235 DIN 53457
 Elongation: > 120 % (DIN 53455)
 Tear resistance (N/mm): 137
 Bending stress (MPa): 21 (DIN 53452)
 Shore-hardness A: 89 (DIN 53505)
 Shore-hardness D: 57 (DIN 53505)

Packaging:

A: 24,55 kg
 A: 196,50 kg
 28,13 kg
 225,00 kg

Clean and care agent: Aquasolv 720, Aquamoll 722
 Auxiliary materials: Duraflex 871 Primer

Product ID: M50051

Waterproofing

DURAFLEX 870

casting resin and coating, highly elastic, non-permeable

Crack bridging high performance coating. Suitable for in - and outdoor!

Application:	Properties:	Packaging:
on concrete	Consumption: 1,30 kg/m ² per mm layer	A: 26,75 kg
on melted asphalt	Processing time: 25 - 30 minutes by 20°C	
on tiles	Hardening time: ~ 5 h at 20°C	B: 6,25 kg
on old coatings	Density: ~ 1,3 g/ml	
Coating for inside and outside.	Adhesive tensile strength: > 3 N/mm ²	
Outside a Top coat is required.	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	

Clean and care agent: Aquasolv 720

Product ID: M50059

Auxiliary material: DuraFlex 871 Primer, DuraFlex 877 TopCoat

DURAFLEX 875

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

Crack bridging high performance coating. Light-resistant!

Application:	Properties:	Packaging:
On concrete	Consumption: 1,30 kg/m ² per mm layer	A: 30,0 kg
On melted asphalt	Processing time: 25 - 30 minutes by 20°C	
On tiles	Hardening time: ~ 5 h at 20°C	B: 8,1 kg
On old coatings	Density: ~ 1,3 g/ml	
Coating for inside and outside.	Adhesive tensile strength: > 3 N/mm ²	
Outside a Top coat is required.	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	

Clean and care agent: Aquasolv 720

Product ID: M50060

Auxiliary material: DuraFlex 871 Primer, DuraFlex 877 TopCoat



DuraFlex 870

Duraflex series products are ideal for variety of applications.

Including parking garages, industrial floors, shopping centers and more...

Please consult your sales representative for more details.

Surface Protection

Sealings that protect surfaces.

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



HYDROSTOP 957

Extremely durable, stays clean and beautiful

Single component, high performance protective coating for atmospherically exposed structures.

Application:

Bridge abutments
Concrete cladding and precast units
Facades
Boundary walls
Plinths and pipe support racks

Properties:

Basis: special solved binders, fillers and pigments
Color: white or special colors
Density: Approx. 1,1 - 1,2 gr/ml
Consumption: On flat undergrounds 150-200 gr / m²
Processing temperature: > 5 °C recommended
Density: Approx. 1,1 - 1,2 gr/ml

Packaging:

10 kg
20 kg

Auxiliary material: Hydrostop 956 Primer

Product ID: M50054

DURAFLEX 878 Pro

sealing / avoids yellowing of the coating

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

Packaging:

A: 10,0 kg
B: 2,2 kg

Clean and care agent: Water

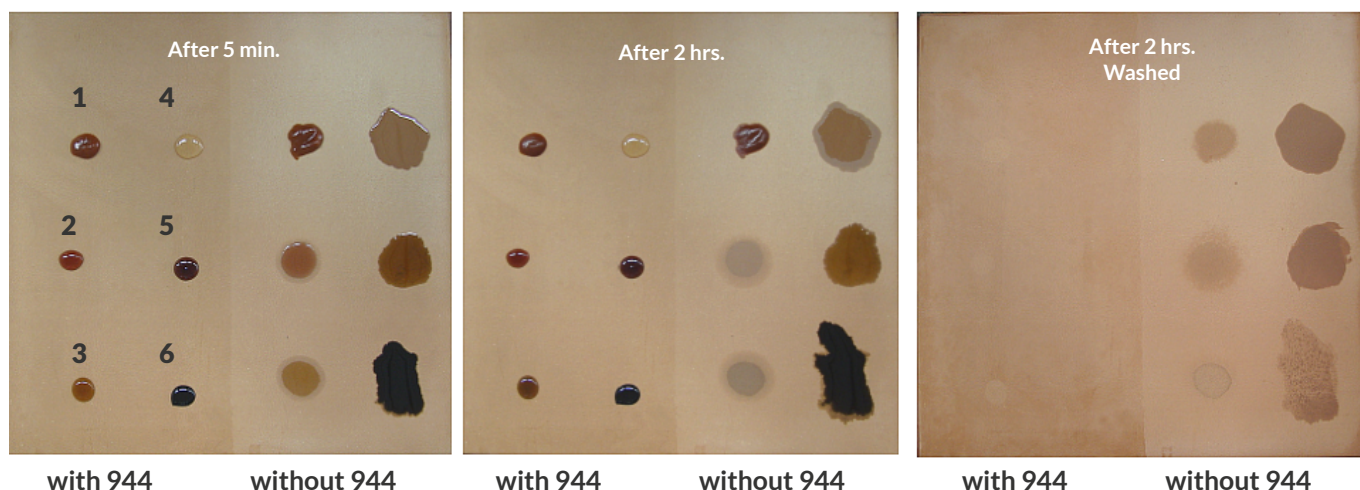
Product ID: M50061

Surface Protection

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
- ▶ Artificial stones
- ▶ Window sill
- ▶ Natural stone, granite, marble, travertine
- ▶ Non glazed ceramic
- ▶ 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

Clean and care agent: Water

Auxiliary materials: Cleanrok 1115

Product ID: M50073

Surface Protection

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

Product ID: M50074

Cleaning before impregnation: Cleanrok 1115

BLOXIL 991

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

Product ID: M50075

Cleaning before impregnation: Cleanrok 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 stones, concrete paving and absorbent natural stones can be treated. Permeable.	Mixing ratio: Ready for use	25,0 kg
	Diffusion resistant: No	200,0 kg
	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/m ² depending on surface	
	Application: Paint, roll, spray	
	Characteristic: Rigid	

Clean and care agent: Water

Product ID: M50076

Auxiliary material: Bloxil 910, Cleanrok 1115

Surface Protection

Bloxil 990 = Transparent protective sealing, extreme abrasion resistant

Bloxil 991 = Bloxil 990 + Anti slip effect

Bloxil 995 = Transparent protective sealing, abrasion-proof

FLOORCOAT 1108

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

Clean and care agent: Water

Auxiliary material: Bloxil 910, Cleanrok 1115

Product ID: M50077

Features Chart

	UV-resistant	Coloured	Transparent	Permeable	Non Permeable	Flexible	Rigid
DURAFLEX 881			●		●		●
DURAFLEX 882			●		●		●
DURAFLEX 878 Pro	●		●	●		●	
BLOXIL 990	●		●	●			●
BLOXIL 991 AS	●		●	●			●
FLOORCOAT 1108		●		●			●

Surface Protection

SILOCS 1050

Casting resin and coating, self levelling

Coloured EP coating with excellent levelling: Solvent-free.

Application:

On concrete
On melted asphalt
On tiles
On old coatings

Properties:

Consumption: 1,50 kg/m² per mm layer thickness
Processing time: 30 - 40 minutes at 20°C
Hardening time: stick free after 12 - 15 hours at 20°C
Walkable: > 24 h
Mechanical capacity: 36 - 48 h
Colours: RAL 7032, RAL 7030, RAL 7016, white grey.
Special colours possible

Packaging:

A: 28,0 kg
B: 6,75 kg
C: 1,0 kg

Clean and care agent: Aquasolv 720

Product ID: M50085

SILOCS 1073

chemical resistant TopCoat

Flexible chemical resistant epoxy top coat.

Application:

Coating of industrial floors
Collecting basins in chemical plants
Waste water plants
Flexible and waterproof coatings for balcony and terrace etc.

Properties:

Mixing ratio: 6 : 2 (A : B)
Processing time: app. 40 minutes at 20°C
Solid content of the mixture: 75%
Density: 1,35 +/- 25% (20°C)
Elongation: app. 80%
Hardness (Shore D): 22
High chemical resistance
Excellent underground adhesion

Packaging:

A: 24,0 kg
B: 12,0 kg

Clean and care agent: Aquasolv 720

Product ID: M50086

PURSEAL 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:

Delivery form: liquid, ready for use
Consumption: Depends on grading curve of the additives
Colour: Colourless
Viscosity: ~800-900 mPa.s
Density: ~1,1 - 1,14 g/ml, 20°C

Packaging:

0,75 kg
10,0 kg

Clean and care agent: Aquasolv 720

Product ID: M50087

**Stone carpet application:****Black granite mixed with PurSeal 1190**

Different kinds of sand can be used with Purseal 1190 to create a desired effect.

Surface Protection

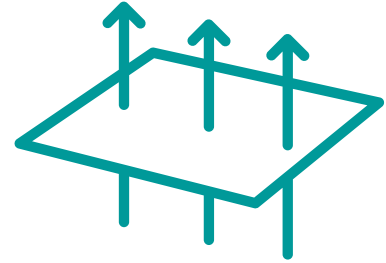
Products Selection Chart (based on underground)

Product	No: 878 Pro	No: 881	No: 882	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						●		
De-icing salt protection						●		
Anti-slip protection		●				●		
Sand carpet Stone carpet						●		

Surface Protection

Permeable coatings

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



SILOCS 1057 EP

Epoxy / Permeable

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/m², 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

Packaging:

A: 20,0 kg
 B: 5,0 kg

Clean and care agent: Water + dish washing agent.

Product ID: M50056

Recommendation Silocs 1060 /1061:

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

SILOCS 1058 EP

Casting resin, self levelling, suitable for layers till 5 mm! / Permeable

Self levelling coating.

Application:

Casting resin with excellent levelling. Silky mat surface. Slip resistant.

Properties:

Permeable: Yes
 Consumption: 1,70 kg/m² 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

Packaging:

A: 25,0 kg
 B: 3,1 kg
 C: 3,0 kg (filler)

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

Primer: Silocs EPW 1056

Product ID: M50057

Surface Protection

Liquid Latex membrane for crack bridging sealings

Application areas:

▶ Floors and walls

▶ Roofs and Facades

▶ Basements

SILOCS 1100

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/m²
 Density: 1,2 gr/ml (at 20°)
 Viscosity: shear thinning
 Tensile strength: 1 N/mm²
 Characteristic: highly elastic, crack bridging

Packaging:

30,0 kg

Clean and care agent: Water

Auxiliary materials: Silocs 1056, Duraflex 1100 Primer, Aquaflex 775 Tape

Product ID: M50066

SILOCS 1101 MX

extra mechanical strength

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/m²
 Density: 1,2 gr/ml (at 20°)
 Viscosity: shear thinning
 Tensile strength: 1 N/mm²
 Characteristic: highly elastic, crack bridging

Packaging:

A:30,0 kg

B: 0,3 kg

Clean and care agent: Water

Auxiliary materials: Silocs 1056 1056, Duraflex 1100 Primer, Aquaflex 775 Tape

Product ID: M50104

SILOCS 1103

UV resistant, sprayable 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/m²
 Density: 1,2 gr/ml (at 20°)
 Tensile strength: 1 N/mm²
 Water dilutable: max. 10% to adjust the spraying viscosity
 Characteristic: highly elastic, crack bridging

Packaging:

30,0 kg

Clean and care agent: Water

Auxiliary materials: Silocs 1056, AquaFlex 775 Tape

Product ID: M50067

Surface Protection

SILOCS 1104 MX

UV resistant, sprayable coating for flat roofs - extra mechanical strength

Chemical cross-linked liquid latex membrane for sealing and protection. Highly elastic, crack bridging, weather proof..

Application:	Properties:	Packaging:
Protects concrete against the fermentation products in silage containers. Suitable for permanent under water use in water basins and chemical loaded surfaces.	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	A: 30,0 kg B: 0,3 kg

Clean and care agent: Water

Product ID: M50114

Auxiliary materials: Silocs 1056, DuraFlex 1100 Primer, Aquaflex 775 Tape

Surface Protection Coatings

These products are designed to protect surfaces against various external elements such as wind, water, chemicals, UV rays etc. The purpose of these materials are to extend the lifespan of the structures and create an easy to maintain surfaces.

If your goal is for permanent waterproofing, please refer to our "Waterproofing" section.

Hydrophobising

Hydrophobising Products

- ▶ Protects walls and surfaces
- ▶ Prevents water penetration
- ▶ Keeps the surfaces dry and reduce energy costs



HYDROSTOP 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/m²
Density: 1,0 g/ml (at 20°C)
Application: Airless, brush, roll, trowel or spattle
Use only on walls.

Packaging:

25 kg

Clean and care agent: Water

Product ID: M50081

HYDROSTOP 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)

Packaging:

10,0 lt
25,0 lt

Use only on walls.

Clean and care agent: Aquasolv 720

Product ID: M50082

HYDROSTOP 942 Aqua

Eco Friendly

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)

Packaging:

10,0 kg
25,0 kg

Use only on walls.

Clean and care agent: Water

Product ID: M50083

Hydrophobising

HYDROSTOP 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/m² depending on surface
Diffusion-open: yes
Suitable for floor and wall

Packaging:

10,0 kg

Clean and care agent: Water
Auxiliary materials: Cleanrok 1115

Product ID: M50084

HydroStop impregnation keep mineral building materials dry and protects 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

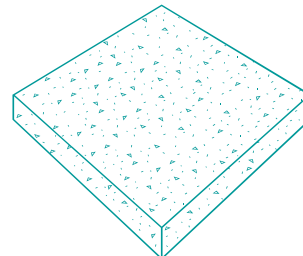


Protect your buildings
against external
elements

Concrete Sealing

Products for hardening and consolidation of concrete surfaces:

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



DURAFLEX 881 Topcoat

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

Product ID: M50068

DURAFLEX 882 Topcoat

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:

0,75 kg
10,0 kg

Clean and care agent: Aquasolv 720

Product ID: M50113

Concrete Sealing

Duraflex 881 Topcoat 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 882 Topcoat is a transparent and UV-resistant Coating which protects concrete, tiles and plates.

NANOXIL 1175

Spray product that protects concrete

Nanoxil is a dilution of pre-solved Reactive Nano Particles. It reacts with free alkali in the concrete and creates a better concrete quality

Application:

Used on concrete and cement containing screeds.
Extreme chemical resistance
Hydrophobic
Blocks capillaries
Creates better concrete

Properties:

Composition: colloidal diluted nano particles
Density: App. 1,15 gr/ml
pH: 10,5 - 11,5
Odour: nearly not noticable, typical
Appearance: odourless, colourless, weak cloudy liquid

Packaging:

10 kg
20 kg

Clean and care agent: Water

Product ID: M50079

PURSEAL 1170

with Nanospheres

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

Application:

Increase stability and impermeability of concrete.
Protects against water, aggressive substances and dirt.
Fills pores and fine cracks.
Steam break protects fresh concrete from quick drying.

Properties:

Mixing ratio: ready to use
Density: Approx. 1,15 g/ml (at 20°C)
Viscosity: Approx. 20 mPas (at 20°C)
Consumption: 0,15-0,2 kg/m² on smooth and weak sucking surfaces
about 0,5 kg/m² 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
Application: spray on
No filming

Packaging:

10 kg
28 kg

Clean and care agent: Water

Product ID: M50078

Concrete Sealing

CRETECT 778

Spray product that protects concrete against external elements

Spray-applied product which uses colloidal silica technology to provide a permanent increase in the durability of concrete.

Application:

Permanent water proofing
Protection against acids
Increased abrasion resistance
Enhanced mechanical strength
Reduced dusting on surface

For concrete that has water to cement ratio of 0.45 or higher

Properties:

Physical state: Liquid
Appearance: Translucent
Color: Clear
Odor: Odorless
Freezing point: 0 °C
Flash point: Not applicable
pH: 11.2 - 11.5

Packaging:

20 lt

Clean and care agent: Water

Product ID: M54001

CRETECT 943

Spray product that protects concrete against external elements

Spray-applied product which uses colloidal silica technology to provide a permanent increase in the durability of concrete.

Application:

Permanent water proofing
Protection against acids
Increased abrasion resistance
Enhanced mechanical strength
Reduced dusting on surface

For concrete that has water to cement ratio lower than 0.45

Properties:

Physical state: Liquid
Appearance: Translucent
Color: Clear
Odor: Odorless
Freezing point: 0 °C
Flash point: Not applicable
pH: 11.2 - 11.5

Packaging:

20 lt

Clean and care agent: Water

Product ID: M54002

CRETECT Series Coatings are special materials that clean, protect and waterproof concrete in one step. More information about these unique products can be found under "Industrial Products" section.

Metal Protection

ANTICOR 1000

Anti-Corrosion Coating

Transparent or colored 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.: <350 Less exempt solvents
Water Solubility: Negligible
Appearance: Glossy

Packaging:

5,0 kg
10,0 kg

Product ID: M57001

ANTICOR Ultra

Anti-Corrosion Coating / High heat up to 1250 °C

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

Application:

Surface protection on:
Industrial Exhaust & Flare Systems
Structural steel
Steel doors
Fire barriers
Heat exchangers

[Stops corrosion completely](#)

Properties:

UV-resistant: Yes
Mixing ratio: Ready for use
Flash Point: 26°C Closed Cup
Boiling Point for Product: > 98 - 140° C
Vapor Pressure for Product: <50 hPa @ 20°C
Specific Gravity: 0.904 @20°C
Water Solubility: Insoluble
Appearance: Glossy

Packaging:

5,0 kg
10,0 kg

Product ID: M57002

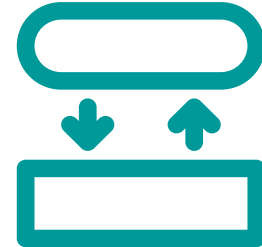
ANTICOR Series Coatings are special materials specifically designed to stop corrosion on metal surfaces under extreme conditions.

More details about ANTICOR Series can be found under "Industrial Coatings" section.

Primers

Primers

- ▶ Stops better adhesion
- ▶ Prevents excessive material usage
- ▶ Improves application quality



SILOCS 1056 Prime

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/m², on flat surfaces
Density: 1,05 gr/ml
Processing time: 120 minutes
Thinning agent: Water
Surface: Silky lustre
Permeable: Yes

Packaging:

A: 10,0 kg
B: 5,0 kg

Clean and care agent: Water (hot) + dish washing agent. Machine cleaning with Aquasolv 720, Aquamoll 722 Product ID: M50055

HYDROSTOP 956 Primer

Primer for high performance coating Hydrostop 957

Primer for solvent based high performance coating 957 HP

Application:

Binds dust
Prepares surfaces
Enhances surfaces
Porous and or sucking surfaces to avoid

Properties:

Basis: Acrylic Co-polymer
Condition: Capable of flowing
Color: Milky
Odor: Mild, like solvent
Shelf life: At least 12 months
Consumption: On flat surfaces about 150-180 gr/m²
Processing temperature: Over 5 °C recommended

Packaging:

10 kg Can

Product ID: M50053

HYDROSTOP 3250 Primer

General purpose surface primer

Solvent-free primer to reduce absorbency and strengthen absorbent substrates.

Application:

Solvent-free
Solidifies & reduces absorbency
Quick drying
For indoor and outdoor use

Properties:

Density: app. 1,0 kg/dm³
Drying time: approx. 2 hours (depending on the absorbency of the substrate, temperature & moisture content) approx. 15 minutes when laying ceramic tiles on lime-cement plaster
Working temperature:
Consumption: 0,1 to 0,5 l/m²

Packaging:

15 kg

Clean and care agent: Water

Product ID: M50123

Primers

CERAMOR FAÇADE Primer

Primer for Ceramor Façade

Solvent-free primer to reduce absorbency and strengthen absorbent substrates.

Application:

Solvent-free
Solidifies & reduces absorbency
Quick drying
For indoor and outdoor use

Properties:

Density: app. 1,0 kg/dm³
Drying time: approx. 2 hours (depending on the absorbency of the substrate, temperature & moisture content) approx. 15 minutes when laying ceramic tiles on lime-cement plaster
Working temperature:
Consumption: 0,1 to 0,5 l/m²

Packaging:

15 kg

Clean and care agent: Water

Product ID: M50103

DURAFLEX 871 Primer

Bonding bridge with excellent adhesion on concrete and asphalt.

Application:

on concrete
on asphalt
bonding bridge
impregnation
sealant (2 or more coatings)

Properties:

Permeable: No
Consumption: 200 - 300 gr/m² first coat Impregnation
150 - 200 gr/m² second coat
Viscosity: 70 - 150 mPas @20°C
Density: + 1,01 gr/ml (20°C)
Solid content: ~40%
Color: brown, film yellow-transparent
Colours: semi-gloss to glossy
Application: roll or rubber squeegee
UV stable: will yellow in sunlight

Packaging:

1,0 l
5,0 l

Clean and care agent: Aquasolv 720

Product ID: M50058

Auxiliary material: Duraflex 870, Duraflex 875, Duraflex 877 Topcoat

DURAFLEX 1100 Primer A

on concrete surfaces

Primer for Duraflex 1100, in bathrooms , wet rooms and balconies under tiles.

Application:

Prepares surface and binds dust.

Properties:

Mixing ratio: ready to use
Density: 1,0 gr/ml (at 20°)
Odour: Weak, specific for butadiene rubber
Colour: light grey
Consumption: 0,1 - 0,5 kg/m²

Packaging:

1,0 kg
5,0 kg
25,0 kg

Auxiliary material: Silocs 1100, Silocs 1101 MX, Silocs 1103, Silocs 1104 MX

Product ID: M50062

Primers

DURAFLEX 1100 Primer B

on existing epoxy coatings

Special primer to be applied on old epoxy coatings.

Application:

Prepares surface and binds dust.

Properties:

Mixing ratio: ready to use
 Density: 1,0 gr/ml (at 20°)
 Odour: Weak, specific for butadiene rubber
 Colour: light grey
 Consumption: 0,1 - 0,5 kg/m²

Packaging:

1,0 kg
 5,0 kg
 25,0 kg

Auxiliary material: Silocs 1100, Silocs 1101 MX, Silocs 1103, Silocs 1104 MX

Product ID: M50063

DURAFLEX 1100 Primer C

on old roofing foils

Special primer to be applied on PVC roof membranes before application with Silocs 1103.

Application:

Prepares surface and binds dust.
 Application on old roofing membranes.

Properties:

Mixing ratio: 10 : 0.5
 Density A: 1,03 +/- 0,05 g/mL (at 20°)
 Density B: 1,13 +/- 0,05 g/mL
 Viscosity A: < 200 mPas
 Viscosity B: 600 +/- 150 mPas (at 25°C)
 Consumption: 0,1 - 0,5 kg/m²

Packaging:

A: 10,0 kg
 B: 0,5 kg

Auxiliary material: Silocs 1103, Silocs 1104 MX

Product ID: M50064

DURAFLEX 1100 Primer D

at biogas plants

Special primer for strained surfaces.

Application:

Prepares surface and binds dust.
 Concret stabilisation and bonding bridge

Properties:

Mixing ratio: 2 : 1 (A : B)
 Consumption: 100 - 200 g/m², for smooth substrates
 Density: 1.05 g/ml
 Working time: 120 minutes
 Thinner: Water
 Surface: Silk gloss
 Open to diffusion: Yes

Packaging:

A: 10,0 kg
 A: 5,0 kg

Auxiliary material: Silocs 1101 MX, Silocs 1104 MX

Product ID: M50065

Primers

SUPER PRIMER 1067

Special primer for coatings made of PUR and EP

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

Application:

Primer for adhesion improvement on tiles and stainless steel.

Avoids blistering on permeable surfaces.

Properties:

Mixing ratio: ready for use

Processing time: Drying by evaporation. ~ 1 h

Density: 0,8 g/ml

Consumption as primer: 50 - 100 Gram/m²

Consumption as waterproof bonding bridge: saturate surface

Packaging:

0,50 kg

2,50 kg

5,0 kg

Clean and care agent: Aquasolv 720

Product ID: M50088

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:

Mixing ratio: 2 : 1

Density: About 1,1 g/ml (at 20°C)

Viscosity: About 180 - 200 mPa.s (20°C)

Processing time: ~ 40 minutes at 20°C

Packaging:

A: 10,0 kg

B: 5,0 kg

Clean and care agent: Aquasolv 720

Product ID: M50122

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.



THERMAL INSULATION

Innovative and eco-friendly materials that allow you to save energy and reduce your bills.

THERMAL INSULATION

Building Insulation

CERAMOR FAÇADE

Supreme heat insulation for all kinds of buildings:

- ▶ High Thermal Insulation
- ▶ Water based
- ▶ Liquid ceramic
- ▶ Inside or outside
- ▶ Slows down heat transfer
- ▶ Easy and practical application



Some Application Areas:

- Homes
- Apartments
- Attics
- Cold basements
- Ceilings
- Offices

and any other area where eco-friendly thermal insulation is desired.

Building Insulation

CERAMOR FAÇADE

specially for buildings

Liquid ceramic waterborne heat insulation material designed for insulation of buildings. Also water repellent.

Application:

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

Properties:

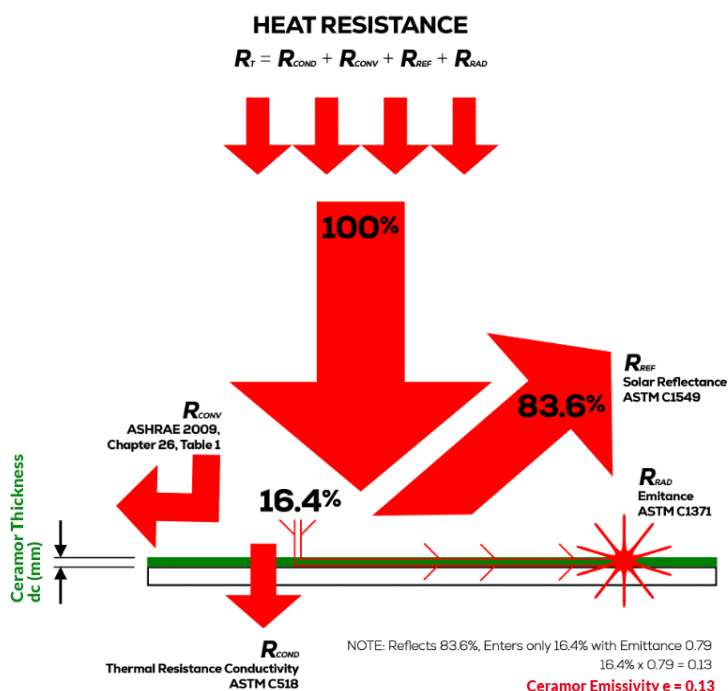
Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 104.85% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
Please see our test reports for details.

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51001

**How it works**

Ceramor has the ability to slow down heat transfer in three different ways.

- Conduction
- Convection
- Reflection

all while having a water based eco-friendly formula!

For more technical details and performance reports, please contact us.

Additional Documentation / CERAMOR FAÇADE:

We have extensive documentation on Ceramor Façade including TDS, MSDS, Flyers, Tests, Reference Projects, Technical Reports and more. To get a copy of our "Ceramor Façade Info-Pack" please send us an email at info@mirava.co and we will be happy to send you the link.

Equipment Insulation

CERAMOR METAL 100

for metal surfaces - up to 100 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery. Also water repellent.

Application:

Metal surfaces
Machinery
Metal roofs
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 104.85% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
Please see our test reports for details.

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51002

CERAMOR METAL 200

for metal surfaces - up to 200 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery.

Application:

Metal surfaces
Machinery
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 105.30% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
Please see our test reports for details.

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51003

CERAMOR METAL 300

for metal surfaces - up to 300 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery.

Application:

Metal surfaces
Machinery
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 110.0% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
Please see our test reports for details.

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51004

CERAMOR METAL 600

for metal surfaces - up to 600 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery.

Application:

Metal surfaces
Machinery
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based binders dispersion
Solar reflective index: 110.0% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
Please see our test reports for details.

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51005

* More details about metal version can be found under "Industrial Products"



INDUSTRIAL PRODUCTS

From corrosion to acid protection, we offer advanced materials for the most challenging industrial applications.

Surface Protection

Industrial Surface Protection

- ▶ Protection of industrial facilities
- ▶ Waterproofing
- ▶ Optical engancement
- ▶ Higher strength



HYDROSTOP 957

Extremely durable, stays clean and beautiful

Single component, high performance protective coating for atmospherically exposed structures.

Application:

Bridge abutments
Concrete cladding and precast units
Facades
Boundary walls
Plinths and pipe support racks

Properties:

Basis: special solved binders, fillers and pigments
Color: white or special colors
Density: Approx. 1,1 - 1,2 gr/ml
Consumption: On flat undergrounds 150-200 gr / m²
Processing temperature: > 5 °C recommended
Density: Approx. 1,1 - 1,2 gr/ml

Packaging:

10 kg
20 kg

Auxiliary material: Hydrostop 956 Primer

Product ID: M50054

DURAFLEX 878 Pro

sealing / avoids yellowing of the coating

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

Packaging:

A: 10,0 kg
B: 2,2 kg

Clean and care agent: Water

Product ID: M50061

Surface Protection

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

Product ID: M50074

Cleaning before impregnation: Cleanrok 1115

BLOXIL 991

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

Product ID: M50075

Cleaning before impregnation: Cleanrok 1115

FLOORCOAT 1108

Sealing

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

Application:	Properties:	Packaging:
Screeds, concrete floors, artificial stones, concrete paving and absorbent natural stones can be treated. Permeable	Mixing ratio: Ready for use	25,0 kg
	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/m ² depending on surface	
	Application: Paint, roll, spray	
	Characteristic: Rigid	

Clean and care agent: Water

Product ID: M50077

Auxiliary material: Bloxil 910, Cleanrok 1115

Concrete Sealing

Products for hardening and strengthening of concrete surfaces:

- ▶ less abrasion
- ▶ dirt protection
- ▶ waterproofing
- ▶ no optical change
- ▶ less dust
- ▶ no filming
- ▶ chemical protection



DURAFLEX 881 Topcoat

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/m ² Consumption as second layer (sealing): ~150 - 200 g/m ² 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
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Clean and care agent: Aquasolv 720

Product ID: M50068

DURAFLEX 882 Topcoat

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: 0,75 kg 10,0 kg
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Clean and care agent: Aquasolv 720

Product ID: M50113

Concrete Sealing

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.

NANOXIL 1175

Spray product that protects concrete

Nanoxil is a dilution of pre-solved Reactive Nano Particles. It reacts with free alkali in the concrete and creates a better concrete quality

Application:

Used on concrete and cement containing screeds.
Extreme chemical resistance
Hydrophobic
Blocks capillaries
Creates better concrete

Properties:

Composition: colloidal diluted nano particles
Density: App. 1,15 gr/ml
pH: 10,5 - 11,5
Odour: nearly not noticeable, typical
Appearance: odourless, colourless, weak cloudy liquid

Packaging:

10 kg
20 kg

Clean and care agent: Water

Product ID: M50079

SILITECT 1170

with Nanospheres

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

Application:

Increase stability and impermeability of concrete.
Protects against water, aggressive substances and dirt.
Fills pores and fine cracks.
Steam break protects fresh concrete from quick drying.

Properties:

Mixing ratio: ready to use
Density: Approx. 1,15 g/ml (at 20°C)
Viscosity: Approx. 20 mPas (at 20°C)
Consumption: 0,15-0,2 kg/m² on smooth and weak sucking surfaces
about 0,5 kg/m² 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
Application: spray on
No filming

Packaging:

10 kg
28 kg

Clean and care agent: Water

Product ID: M50078

Concrete Sealing

CRETECT 778

Spray product that protects concrete against external elements

Spray-applied product which uses colloidal silica technology to provide a permanent increase in the durability of concrete.

Application:

Permanent water proofing
Protection against acids
Increased abrasion resistance
Enhanced mechanical strength
Reduced dusting on surface

For concrete that has water to cement ratio of 0.45 or higher

Properties:

Physical state: Liquid
Appearance: Translucent
Color: Clear
Odor: Odorless
Freezing point: 0 °C
Flash point: Not applicable
pH: 11.2 - 11.5

Packaging:

20 lt

Clean and care agent: Water

Product ID: M54001

CRETECT 943

Spray product that protects concrete against external elements

Spray-applied product which uses colloidal silica technology to provide a permanent increase in the durability of concrete.

Application:

Permanent water proofing
Protection against acids
Increased abrasion resistance
Enhanced mechanical strength
Reduced dusting on surface

For concrete that has water to cement ratio lower than 0.45

Properties:

Physical state: Liquid
Appearance: Translucent
Color: Clear
Odor: Odorless
Freezing point: 0 °C
Flash point: Not applicable
pH: 11.2 - 11.5

Packaging:

20 lt

Clean and care agent: Water

Product ID: M54002

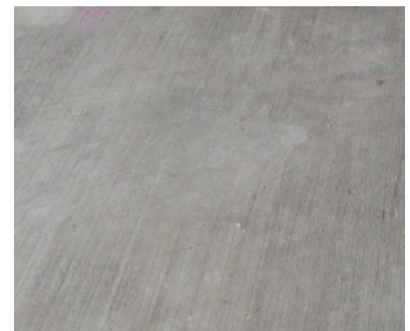
BEFORE



DURING



AFTER



Crectect cleans, waterproofs and protects concrete in one step. Single application, forever protection.

ADDITIONAL DOCUMENTATION / CRETECT:

Please contact us at info@mirava.co for our product presentation and additional documents on Crectect Concrete Protection System.

Concrete Sealing

CRETECT is a truly unique product that provides many advantages:

- ▶ Waterproofing
- ▶ Strengthening
- ▶ and much more...
- ▶ Chemical protection
- ▶ Freeze-Thaw resistance
- ▶ Densification
- ▶ Abrasion resistance

Industrial Applications



Cretect is the ideal choice when industrial applications require the best possible solution.

Hydrochloric Acid Test

Two concrete samples submerged in Hydrochloric acid solution. After waiting first 1 hour and then 3 hours observations have been made, as seen below.

After 1 hour



Untreated



CRETECT Applied

After 3 hours



Untreated



CRETECT Applied

Metal Protection

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
- ▶ Excellent adhesion to surface and extreme abrasion resistance
- ▶ Minimum 10 years warranty on performance

ANTICOR 1000

Anti-Corrosion Coating

Transparent or colored 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.: <350 Less exempt solvents
Water Solubility: Negligible
Appearance: Glossy

Packaging:

5,0 kg
10,0 kg

Product ID: M57001

ANTICOR Ultra

Anti-Corrosion Coating / High heat up to 1250 °C

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

Application:

Surface protection on:
Industrial Exhaust & Flare Systems
Structural steel
Steel doors
Fire barriers
Heat exchangers

[Stops corrosion completely!](#)

Properties:

UV-resistant: Yes
Mixing ratio: Ready for use
Flash Point: 26°C Closed Cup
Boiling Point for Product: > 98 - 140° C
Vapor Pressure for Product: <50 hPa @ 20°C
Specific Gravity: 0.904 @20°C
Water Solubility: Insoluble
Appearance: Glossy

Packaging:

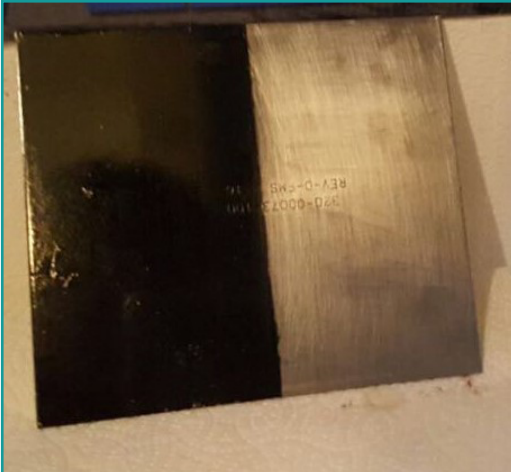
5,0 kg
10,0 kg

Product ID: M57002

Metal Protection

ANTICOR 1000

Clear or Colored / Super Hydrophobic



In addition to protecting metal surfaces against corrosion and external factors, ANTICOR 1000 is also considered super hydrophobic, which makes the material extremely slippery and perfect for the areas that need to be kept clean. From boats to industrial equipment, surfaces will be much easier to maintain and also be protected against external elements.

ANTICOR ULTRA

Clear / Extreme Heat Resistant (up to 1,250 °C)



The test was conducted in accordance with ASTM Designation B-117, "Standard Practice for Operating Salt Spray (Fog) Apparatus". Anticor product shows that it inhibits from corrosion. Continue application will prevent corrosion to build up over time. Anticor product is very easy to use with the spray aerosol can or can be applied by a brush or sponge.

For more details, tests, and application references, please contact us at info@mirava.co

INDUSTRIAL PRODUCTS

Equipment Insulation

CERAMOR^{METAL}

Supreme heat insulation for all kinds of metal surfaces and machinery:

- ▶ High Thermal Insulation
- ▶ Water based
- ▶ Stops corrosion
- ▶ No maintenance required
- ▶ Easy and practical application



Some Application Areas:

- ▶ Hot pipes
- ▶ Industrial equipment
- ▶ Metal roofs
- ▶ Hot tanks
- ▶ Refrigerated vehicles
- ▶ Warehouses
- ▶ Buildings
- ▶ Factories

and more...

Equipment Insulation

CERAMOR METAL 100

for metal surfaces - up to 100 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery. Also water repellent.

Application:

Metal surfaces
Machinery
Metal roofs
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 104.85% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
Please see our test reports for details.

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51002

2mm
application

62%

Temperature
Drop

Well known South Korean tire manufacturer reduced their energy costs significantly by switching to Ceramor at their facilities.

Additional Documentation / CERAMOR METAL:

We have extensive documentation on Ceramor Metal including TDS, MSDS, Flyers, Tests, Reference Projects, Technical Reports and more. To get a copy of our "Ceramor Metal Info-Pack" please send us an email at info@mirava.co and we will be happy to send you the link.

Equipment Insulation

CERAMOR METAL 200

for metal surfaces - up to 200 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery.

Application:

Metal surfaces
Machinery
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 105.30% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
[Please see our test reports for details.](#)

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51003

CERAMOR METAL 300

for metal surfaces - up to 300 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery.

Application:

Metal surfaces
Machinery
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 110.0% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
[Please see our test reports for details.](#)

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51004

CERAMOR METAL 600

for metal surfaces - up to 600 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery.

Application:

Metal surfaces
Machinery
Automotive
Production plants
or any metal surface that needs
thermal insulation

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based binders dispersion
Solar reflective index: 110.0% (ASTM E 1980:11)
Elongation: Above 50% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
[Please see our test reports for details.](#)

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51005

CERAMOR TOPCOAT

for metal surfaces - up to 100 °C

Liquid ceramic, waterborne heat insulation material designed for insulation of metal surfaces and machinery. Also water repellent.

Application:

Topcoat for exterior applications
where extra mechanical strength
and dirt resistance required

Properties:

Mixing ratio: Ready to use
Coat thickness (layer): 0.5 mm dry
Base: Water-based styrene acrylic dispersion
Solar reflective index: 86% (ASTM E 1980:11)
Elongation: Above 80% (ASTM412)
Combined thermal conductivity: 0.00037 - 0.0012 [W/mK]
[Please see our test reports for details.](#)

Packaging:

20 lt pail

Clean and care agent: Water

Product ID: M51006

A close-up photograph of a vertical joint in a concrete wall. A bright blue, textured sealant strip is applied along the joint, filling the gap between two concrete sections. The concrete surface is light grey and shows signs of wear, including small pits and a dark, irregular mark on the right side.

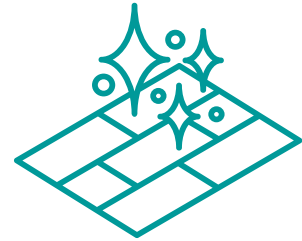
AUXILIARY PRODUCTS

From cleaners to joint fillers, these products are designed to make your jobs easier and more efficient.

Surface Cleaners

Surface cleaners:

- ▶ Deep cleans surfaces
- ▶ Increases lifespan of structures
- ▶ Prepares surfaces for better application



CLEANROK 1115

special benefit surface enhancement

Cleaner for concrete and natural stones.

Application:

Deep cleaning of mineral surfaces, concrete, concrete pavement, industrial floors, brick, clinker and a few natural stones

Properties:

Odour: Weak
Solubility: In water
pH-Value: <2 (20°C)
Dilution: depending on pollution situation;
1 : 1 up to 1 : 10 with water

Packaging:

10,0 kg

Clean and care agent: Water

Product ID: M50089

AQUACLEAN 725

Special benefit surface enhancement

Allround cleaner for concrete.

Application:

Solves hardened PUR resins.

Properties:

Concentrate: Dilute 1:0 - 1:15 with water. Gel-like.

Packaging:

10,0 kg

Clean and care agent: Water

Product ID: M50090

AQUACLEAN 726

Allround cleaner for chalky stones.

Application:

Solves hardened PUR resins.

Properties:

Concentrate: Dilute 1:0 - 1:10 with water. Gel-like.

Packaging:

10,0 kg

Clean and care agent: Water

Product ID: M50091

AQUACLEAN 727

oil remover

Oil remover for concrete and mineral surfaces.

Application:

Solves hardened PUR resins.

Properties:

Concentrate: Dilute 1:0 - 1:10 with water. Gel-like.

Packaging:

10,0 kg

Clean and care agent: Water

Product ID: M50092

Accelerators and Starters

HYDROLIST 714

Accelerator for Hydrostop foam resins

Hydrolist 714 is the standard accelerator for 1 component waterstop foams.

Application:

Accelerator for Hydrostop 710 foam resin.

Properties:

Mixing ratio: 1 - 4% in relation to main component
Appearance: Honey colored liquid
Frost resistance: Yes
Shelf life: 2 years

Packaging:

1 kg

Clean and care agent: Water

Product ID: M50095

HYDROLIST 746

Accelerator for acrylic resins / long reaction

Accelerator for acrylic gels and acrylic resins. Long reaction time.

Application:

Accelerator for AcriGel 730 and Hydrostop 783.
Suitable for long reaction times

Properties:

Mixing ratio: 2 - 4% in relation to main component
Processing temperature: > 5°C
Reaction time: Please refer to our "Reaction Chart"

Packaging:

1 kg

Clean and care agent: Water

Product ID: M50096

HYDROLIST 747

Accelerator for acrylic resins / short reaction

Accelerator for acrylic resins. Short reaction time.

Application:

Accelerator for Hydrostop 783
Suitable for short reaction times

Properties:

Mixing ratio: 2 - 4% in relation to main component
Processing temperature: > 5°C
Reaction time: Please refer to our "Reaction Chart"

Packaging:

1 kg

Clean and care agent: Water

Product ID: M50116

HYDROLIST 748

Accelerator for acrylic resins / short reaction

Accelerator for acrylic gels and acrylic resins. Short reaction time. 2K pump required.

Application:

Accelerator for AcriGel 730
Suitable for short reaction times

Properties:

Mixing ratio: 2 - 4% in relation to main component
Processing temperature: > 5°C
Reaction time: Please refer to our "Reaction Chart"

Packaging:

1 kg

Clean and care agent: Water

Product ID: M50097

Accelerators and Starters

HIDROX 745

Reaction starter for acrylic systems

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

Application:

Reaction starter for Hydrostop AcriGel 730 in combination with Hydrostop AcriBlend 740

Properties:

Mixing ratio: 2 - 4% in relation to main component

Packaging:0,5 kg
25,0 kg

Clean and care agent: Water

Product ID: M50099

HIDROX 749

Reaction starter for acrylic systems

Reaction starter for HydroStop AcriGel 730 (used with water) and Hydrostop 783

Application:

Reaction starter for HydroStop AcriGel 730 and Hydrostop 783

Properties:

Mixing ratio: 2 - 4% in relation to main component

Packaging:0,5 kg
25,0 kg

Clean and care agent: Water

Product ID: M50101

Structure Foam

KOMPRIFOAM 330

for target-oriented injections

Special foam with wide cell structure for controlled filling with injection resins.

Application:Joint filling with injection
Pipe feedthroughs
Floor plates**Properties:**Injection resins for pipe feedthroughs:
Hydrostop 775 Integra
Injection gel for floor plates:
Hydrostop acriGel 730**Packaging:**3 x 7 x 200 cm
200 x 100 x 4 cm

Suitable resins: Hydrostop 775 Integra, Hydrostop 783 Inject, Hydrostop 730 AcriGel

Product ID: M50093

Corrosion Protection

ADDITIVE 1211

Corrosion protection additive for acrylic gel

Corrosion protection

Application:

Anti-Corrosive auxiliary material for acrylic-gels. Protects reinforcing steel of corrosion.

Properties:Additional amount: 2 - 4%
according to dosage of reaction starter.**Packaging:**0,5 kg
25,0 kg

Clean and care agent: Water

Product ID: M50120

Equipment Cleaners

AQUASOLV 720

Cleaning agent

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: not required
Density: 0,95 g/ml (20°C)**Packaging:**1,0 kg
5,0 kg
10,0 kg
200,0 kg

Clean and care agent: Water

Product ID: M50131

AQUAMOLL 722

Care and conservation material for injection pumps

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
Density: ~0,98 g/ml, 20°C
Flashing point: >300°C**Packaging:**10,0 kg
200,0 kg

Clean and care agent: Water

Product ID: M50132

AQUACLEAN 724

dissolves cured PUR and Epoxy resins

High efficient solvent for hardened PUR materials.

Application:

Solves hardened PUR resins.

Properties:Odour: weak after amine
pH-value: 7 (20°C)
Flashing point: 57,5°C
Density: 0,94 g/cm³ (20°C)
Viscosity: 0,86 mPas (20°C)**Packaging:**

10,0 kg

Clean and care agent: Water

Product ID: M50133

Thinners

HYDROSTOP 953

Thinner for Hydrostop 950

Special thinner for Hydrostop 950

Application:

Thinner for HydroBloc WPS 750

Properties:Aliphatic solvent with high flash point
Does not contain aromatic hydrocarbons.**Packaging:**

10,0 l

Clean and care agent: Water

Product ID: M50124



LOGISTICS AND OPERATIONS

MCM Construction Products are manufactured at ISO 9001 certified facilities under strictest quality control standards.

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



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