KÖSTER Mautrol Flex 2C

Technical Data Sheet M 262 020

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- WZ "MAUTROL" ges. gesch., Deutsches Patentamt, K 50 862

2-component water-soluble injection liquid for subsequent installation of damp proof horizontal barriers

Features
KÖSTER Mautrol Flex 2C is a two component, water-soluble injection liquid on a silicate-acrylate basis. Due to the cross-linking property of the B-component, KÖSTER Mautrol Flex 2C can also be applied in strongly moisture-penetrated structural members without the necessity of drying the structural member before or after the application. Steel reinforcement is not corroded by KÖSTER Mautrol Flex 2C.

Technical Data

Type of effect	narrowing of pores / hydrophobing of pore walls	
	Component A	Component B
Material base	Silicate/acrylate Ester	
Color	Milky	Ttransparent
Density components	1.03 g / cm³	1.09 g / cm§
Density mixture	1.07 g / cm³	
Pot life	approx. 1.0 - 18 hours (depending on dilution)	
Mixing ratio (by weight)	1:1	

Fields of Application
KÖSTER Mautrol Flex 2C can be injected using low pressure injection systems in order to subsequently install horizontal barriers in masonry, concrete, and plaster against rising and creeping damp. It can be applied from the inside and from the outside.

Application
In order to install horizontal barriers, holes are drilled at a distance of approx. 10 – 15 cm from each other to a depth of 5 cm less than the thickness of the wall in one or two horizontal rows above ground or in case of an excavation and exterior waterproofing, above the base slab. The diameter of the boreholes depends on the diameter of the packers chosen. After cleaning out the boreholes using pressurized air, the packers are installed. If voids are present in the structural member to be injected, a pre-injection with KÖSTER Mautrol Borehole Suspension is recommended. The boreholes which were filled with KÖSTER Mautrol Borehole Suspension are drilled open again after a setting time of 30 minutes to 3 hours. The A component is mixed with water depending on the moisture content of the masonry using the mixing ratios specified in the table below. The mixture is then mixed with the B component.
The amount of dilution of the A component depends on the moisture content of the masonry according to the following table:

Moisture content M%	A comp. M%	Water M%	B comp. M%	Gel time
0 - 5 %	1	10	1	18 hrs.
5 - 10 %	1	7	1	10 hrs.
10 - 15 %	1	5	1	6 hrs.
Greater than 15 %	1	4	1	4 hrs.

(+ 20 °C)
Attention: Never mix the components undiluted!

The mixture is injected using suitable injection equipment (airless or piston pump) via packers until a complete saturation of the masonry is achieved. This can be done by single injections or with injection batteries. Subsequent injections are possible even after the end of the gel-time. After the injection, the packers are removed and the boreholes are closed with KÖSTER Mautrol Borehole Suspension. A component which is diluted with water can be stored for 2 months. Diluted material which has already been mixed with B component reacts within the gel-time stated above.

Consumption
Approx. 0.2 kg/m per cm wall thickness

Cleaning
Clean tools immediately after use with water.

Packaging

M 262 020	20 kg combipackaging Comp. A 10 kg jerrycan Comp. B 10 kg jerrycan

Storage
Store the material cool but frost-free; in originally sealed packages it can be stored for a minimum of 1 year.

Safety
Wear protective gloves and goggles when processing the material. When carrying out injection works, make sure to protect the surroundings from injection material that may be discharged from the wall, packers, boreholes, etc. due to the pressurized mode of injection or accidentally. Do not stand directly behind the packers during injection. Observe all governmental, state, and local safety regulations while processing the material.

Related products

KÖSTER Impact Packer 12	Prod. code IN 903 001
KÖSTER Impact Packer 18 plus	Prod. code IN 904 001
KÖSTER Superpacker	Prod. code IN 915 001
KÖSTER One-Day-Site Packer	Prod. code IN 922 001
KÖSTER 1C Injection Pump	Prod. code IN 929 001
KÖSTER Loka Handpump	Prod. code IN 952 001
KÖSTER Hand Pump without manometer	Prod. code IN 953 001
KÖSTER Hand Pump with manometer	Prod. code IN 953 002
KÖSTER Footpump	Prod. code IN 958 001
KÖSTER Mautrol Borehole Suspension	Prod. code M 150 024
KÖSTER Mautrol 2C	Prod. code M 261

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