



KÖSTER Mautrol 2C

Technical Data Sheet M 261

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- Industry classification "Mautrol" registered at the German patent office, K 50 862
 - Official Test Report PB 5-1/14-017-1, 14.11.2014, MFPA, Leipzig - acc. WTA Bulletin 4-4-04, moisture content 95%

2-component injection liquid for subsequent installation of horizontal barriers and for strengthening and solidifying masonry



Features

KÖSTER Mautrol 2C is a two component, low viscous injection liquid on the basis of silicates and esters. Due to the gelling property of the B-component, KÖSTER Mautrol® 2C can also be injected in strongly moisture-penetrated structural members without prior drying. Besides the horizontally installed damp proof course, the strength of concrete and masonry is raised and an additional protection from aggressive substances is gained. Steel reinforcement is not corroded by KÖSTER Mautrol 2C.

Technical Data

Mode of action pore-narrowing / hydrophobic

	Comp. A	Comp. B
Material	Silicate / silicate	Ester
Color	bläulich	transparent
Density	1,16 g / cm ³	1,09 g / cm ³
Mixed density	1,15 g / cm ³	
Starting viscosity	approx. 5 mPa·s	
Pot life	approx. 30 - 60 min (depending on temperature)	
Mixing ratio (by weight)	100	9
Mixing ratio (by volume)	100	9,4

Fields of Application

KÖSTER Mautrol 2C can be injected using low pressure injection systems for the subsequent installation of horizontal barriers in masonry, concrete, and plaster against rising and creeping damp as well as for the solidification of masonry made of brick and natural stone. It can be applied from the inside and from the outside. KÖSTER Mautrol 2C can also be used for the sole purpose of solidifying masonry.

Application

The horizontal barrier is to be installed in such a way that it cannot be overflowed by groundwater, splash water, or another moisture ingress. 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 noticed in the structural member to be injected, a preceding injection with KÖSTER Micro Grout 1C is necessary. The boreholes that were closed with KÖSTER Micro Grout 1C are drilled open again

after 30 minutes to 3 hours.

The KÖSTER Mautrol 2C components are mixed in a ratio of 100 : 9 (by weight) using a customary mixing device until a homogeneous consistency is reached. The mixture is injected using suitable injection equipment via the packers until a complete saturation of the masonry is achieved. Subsequent injections are possible until the gel-phase begins, which takes place after approx. 45 - 60 minutes. After that, the packers are removed and the boreholes are closed with KÖSTER Micro Grout 1C.

Before further work begins, such as the application of a KÖSTER Restoration Plaster, the area underneath the horizontal barrier must be secured against the moisture trapped under the newly installed horizontal barrier with KÖSTER NB 1 Grey applied in two layers.

Consumption

Approx. 0.15 kg/m per cm wall thickness

Cleaning

Clean tools immediately after use with water.

Packaging

M 261 039	Combi package Comp. A 36 kg jerrycan Comp. B 3.5 kg jerrycan
M 261 262	Combi package Comp. A 240 kg drum Comp. B 22 kg jerrycan

Storage

Store the material cool but frost-free. In originally sealed packages it can be stored for a minimum of 2 years.

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 guidelines when processing the material.

Related products

KÖSTER Micro Grout 1C	Prod. code IN 295 024
KÖSTER Impact Packer 12 mm x 70 mm	Prod. code IN 903 001
KÖSTER Superpacker 13 mm x 115 mm	Prod. code IN 915 001
CH	
KÖSTER One-Day-Site Packer 13 mm x 120 mm PH	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 Mautrol Flex 2C	Prod. code M 262 020

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of application have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

KÖSTER Fine Plaster	Prod. code M 655 025
KÖSTER Restoration Plaster Grey	Prod. code M 661 025
KÖSTER Restoration Plaster White	Prod. code M 662 025
KÖSTER Restoration Plaster White/Fast	Prod. code M 663
KÖSTER Restoration Plaster White/Light	Prod. code M 664 020
KÖSTER NB 1 Grey	Prod. code W 221 025

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