



M - Restoration of masonry

# 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 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	
Material base	Component A	Component B
Color	Silicate/acrylate Ester	
Density components	Milky	Transparent
Density mixture	1.03 g / cm <sup>3</sup>	1.09 g / cm <sup>3</sup>
Pot life		1.07 g / cm <sup>3</sup>
Mixing ratio (by weight)	approx. 1.0 - 18 hours (depending on dilution)	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

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 present in the structural member to be injected, a pre-injection with KÖSTER Micro Grout 1C is recommended. The boreholes which were filled with KÖSTER Micro Grout 1C 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.

Values at + 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 Micro Grout 1C. 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.

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. 0.2 kg/m per cm wall thickness

### Cleaning

Clean tools immediately after use with water.

### Packaging

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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 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	

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 technology 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 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 2C	Prod. code M 261
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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