

# KÖSTER

## Mautrol® 2C

Technical guideline / Article number **3.061**

Stand: 1<sup>st</sup> January 2007

- Industry classification "Mautrol" registered at the German patent office, K 50 862

## 2-component injection liquid for subsequent installation of horizontal barriers and for 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 barrier, the strength of concrete and masonry is raised and an additional protection from aggressive substances is gained. Steel reinforcements are not corroded by KÖSTER Mautrol® 2C.

### Technical data

Type of effect	narrowing of pores / hydrophobing of pore walls	
	Component A	Component B
Material base	Silicate/Siliconate	Ester
Colour	blueish	transparent
Density components	1,16 g / cm <sup>3</sup>	1,09 g / cm <sup>3</sup>
Density mixture	1,15 g / cm <sup>3</sup>	
Initial viscosity	approx. 30 mPa·s	
Pot life	approx. 30 - 60 minutes (temperature-dependant)	
Mixing ratio (by weight)	100	9

### Field 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. It can not be used against pressurised water. KÖSTER Mautrol® 2C can also be used for the sole purpose of solidifying masonry.

### Application

In order to install horizontal barriers, boreholes 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 - 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 or similar things are noticed in the structural member to be injected, a preceding injection with KÖSTER Mautrol® Borehole Suspension is necessary. The boreholes which were closed with KÖSTER Mautrol® Borehole Suspension are drilled open again after 30 minutes to 3 hours. Both components of KÖSTER Mautrol® 2C are mixed in a mixing ratio of 100 : 9 (by weight) using a customary mixing device until a homogeneous consistency is reached. The mixture is injected using suited injection equipment via the packers until a complete saturation of the masonry is reached. Subsequent injections are possible until the gel-phase starts, which takes place after approx. 45 – 60 minutes. After that, the packers are removed and the boreholes are closed with KÖSTER Mautrol® Borehole Suspension.

### Consumption

Approx. 0.15 kg / m per cm wall thickness

### Cleaning of tools

Clean tools immediately after use with water.

### Packaging

Combi-packages:

Total 262 kg	240 kg barrel (A) + 22 kg jerry can (B)
Total 39.5 kg	36 kg jerry can (A) + 3.5 kg jerry can (B)

### Storage

Cool and frost-free, can be stored for approx. 2 years.

### Safety

Wear protective gloves and goggles when processing the material.

### Technical guidelines cited

KÖSTER Mautrol® Borehole Suspension Art.-No. 3.05

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.