

## KÖSTER

## NB Elastic Grey

Technical guideline / Article number **3.031**

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- Official test certificate, MPA (Institute for testing of non-metal materials) in Clausthal – Zellerfeld  
 - Test Certificate, College of Ostfriesland, water vapour permeability

### 2 component, elastic mineral waterproofing

#### Features

KÖSTER NB Elastic Grey is a waterproof, elastic, wear-resistant coating with excellent adhesion to all mineral substrates. The material can bridge cracks up to a width of 2 mm, it is abrasion-resistant and resistant to concrete corroding liquids such as dilute acids and alkalis. It possesses a good UV-resistance.

#### Technical data

Density (powder and liquid component)	approx. 1.7 g / cm <sup>3</sup>
Binder contents (synthetic comp.)	min. 52 % by weight
Application temperature	min. + 2 °C
Tensile elongation (entire system)	> 50 %
Tensile strength	0.7 N / mm <sup>2</sup>
Crack bridging (2 mm layer thickness)	> 2 mm
Adhesive tensile strength	> 0.5 N / mm <sup>2</sup>
Waterproof against pressurised water up to	7 bar
Pot life	approx. 2 hours
Resistant to foot traffic	after approx. 24 hours
Application of following layers	after approx. 2 days

#### Field of application

Coatings made of KÖSTER NB Elastic Grey are wear-proof, elastic and waterproof. Such coatings can be used for areas subject to mechanical stresses and for areas which might be subject to cracking, e. g. waterproofing layers on terraces and balconies, as protection for concrete surfaces which can be walked on, as waterproofing for water tanks, swimming pools, wet- and damp-rooms underneath tiles and ceramic coverings. If a waterproofing (2 layers) is made of KÖSTER NB Elastic Grey, then the material can also be used (applied as a third layer) as tile adhesive. It is not suited for waterproofing against negative side water pressure and it is not suited for waterproofing roofs.

#### Preparation of substrate

The substrate has to be sound, solid and clean.

Absorbent substrates should be primed with KÖSTER Polysil® TG 500. Non-absorbent substrates are pre-wetted so that they are damp. Avoid standing water on the area to be coated.

#### Application

Thoroughly mix both components using a slowly rotating stirring device (add the powder component into the liquid component). KÖSTER NB Elastic Grey is applied in at least two coats using a trowel or a brush. On areas which are especially in danger of cracking, KÖSTER Flex Fabric is embedded into the first coat. Then apply at least a second coat on top. On wall / floor junctions and in corners, KÖSTER BD Flex Tape K 120 is embedded into the first layer and the excess width of the fabric is worked over with KÖSTER NB Elastic Grey. Fresh applications of KÖSTER NB Elastic Grey must be protected from frost and rain until they are fully cured.

#### Consumption (MLT – minimum layer thickness)

Loading condition	MLT	Consumption	Layers
Ground moisture	2 mm	min. 3.6 kg	min. 2
Non-retained seepage	2 mm	min. 3.6 kg	min. 2
Retained seepage	2.5 mm	min. 4.5 kg	min. 2
Transition wall to foundation	2 mm	min. 3.6 kg	min. 2

#### Cleaning of tools

Clean tools with water immediately after use.

#### Packaging

33 kg combi-package

Powder component: 25 kg bag

Liquid component: 8 kg plastic jerry can

#### Storage

Store the material in a cool and frost free place; in originally sealed packaged, it can be stored for approx. 6 month.

#### Safety precautions

Wear protective gloves and goggles during processing/application.

#### Technical guidelines cited

KÖSTER Polysil® TG 500	Art.-No.	4.011
KÖSTER BD Flex Tape K 120	Art.-No.	11.03
KÖSTER Flex Fabric	Art.-No.	11.05

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.