KÖSTER

NB Elastic White

Technical guideline / Article number 3.034

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- Official test certificate, MPA (Institute for testing of non-metal materials) in Clausthal – Zellerfeld
- Test Certificate for approval by the building authorities, MPA (Institute for testing of non-metal materials) in Claust.-Zellerf.
- Test Certificate, College of Ostfriesland, water vapour permeability
- Test Certificate: Sealing against radon

2 component, light-coloured, elastic mineral waterproofing

Features

KÖSTER NB Elastic White is a light-coloured, waterproof, elastic, wear-resistant coating with excellent adhesion to all mineral substrates. The material can bridge cracks. It is abrasion resistant and resistant to concrete corroding water such as dilute acids and alkalis. It possesses a good UV-resistance and it is radon-proof.

Technical data

Density (powder and liquid component)	approx. 1.7 g / cm³
Colour	light beige
Binder contents (synthetic comp.)	min. 52 % by weight
Application temperature	min. + 2 °C
Elongation at break	> 30 %
Tensile strength	> 0.8 N / mm²
Crack bridging (2 mm layer thickness)	≤ 0.4 mm
Adhesive tensile strength	≥ 1.0 N / mm²
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 White 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 White, 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 and 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 sealed.

Application

Thoroughly mix both components using a slowly rotating stirring device (add the powder component into the liquid component). KÖSTER NB Elastic White 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 intersections 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 White. Fresh applications of KÖSTER NB Elastic White must be protected from frost and rain until 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

In a cool and frost free place, the material 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

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