

## KÖSTER Elastic Roof

Technical guideline / Article number **3.038**  
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### 2 component, solvent-free, elastic roof coating

#### Features

KÖSTER Elastic Roof is an elastic, crack bridging, and solvent-free waterproofing material for dry and slightly damp substrates. It is free of VOCs (Volatile Organic Compounds), free of Polyurethanes, and free of Isocyanates. The fast drying foil-like coating is highly flexible, watertight and water vapour permeable. The foil is resistant against ageing, hydrolysis, UV-rays, frost and de-icing salts. The white color reflects heat. Since KÖSTER Elastic Roof sticks to itself, the application is easy and seamless.

#### Technical Data

Consistency	pasty
Application temperature	+5 - +35° C
Substrate temperature	> +5° C
Application of next layer:	
Without foot traffic	3 hours
With foot traffic	12 hours
Color	white
Breaking load (tension)	≥1 N/mm <sup>2</sup> (DIN EN 12311/A)
Elongation at break	≥100 % (DIN EN 12311/A)
Density	1.1 g/cm <sup>3</sup>
Pot life (20° C)	45 min.

#### Field of application

For the waterproofing of flat and sloped concrete roofs.

#### Substrate preparation

The substrate should be dry to slightly damp, solid, clean and free of loose particles, moss, algae, or other bonding inhibiting materials. Concrete substrates must be primed with KÖSTER Polysil® TG 500 (approx. 130 g / m<sup>2</sup>).

On interior corners, install a fillet made of KÖSTER Repair Mortar approx. 24 hours prior to the application of KÖSTER Elastic Roof. Exterior corners must be broken and rounded.

#### Mixing

Fill the B-component into a clean mixing vessel of sufficient size. Add the A-component to the B-component in portions while continually stirring using an electrical mixer (approx. 400 rpm) with

a suited mixing paddle, until a homogenous consistency is reached. Mixing time is 3 minutes.

#### Application

KÖSTER Elastic Roof is applied in two coats by brush, roller, trowel, or other customary mason's tools. Waiting time before application of the second coat is min. 3 - 24 hours: 3 hours without foot traffic or 24 hours before walking on first layer. Embed KÖSTER Glass Fibre Mesh or KÖSTER Flex Fabric into the fresh first layer of KÖSTER Elastic Roof in areas in danger of cracking and on wall / floor junctions. In drain junctions reinforce the KÖSTER Elastic Roof with KÖSTER Flex Fabric. The fresh coating is water soluble and must be protected from rain until it has fully dried.

#### Consumption

Approx. 0.75 to 1.0 kg / m<sup>2</sup> per coat  
When using a roller for application, more coats are necessary.  
Total consumption approx. 1.5 to 2.0 kg / m<sup>2</sup>.

#### Cleaning of tools

Clean tools immediately after use with water.

#### Packaging

15 kg Combi Pack:  
- 10 kg liquid component  
- 5 kg powder component

#### Storage

Cool but frost-free, storable for 12 months.

#### Technical guidelines cited

KÖSTER Polysil® TG 500	Art.-No. 4.011
KÖSTER Repair Mortar	Art.-No. 5.030
KÖSTER Glass Fibre Mesh	Art.-No. 11.01
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.