

## White, 2-component, solvent-free, crack bridging waterproofing, resistant to pressurized water, oil proof

### Features

KÖSTER 21 is a 2-component, solvent-free, liquid-applied, elastic, crack bridging waterproofing material with excellent adhesion to dry and moist substrates. Suitable for indoor and outdoor use.

The white color reflects sunlight and heat. The fast curing foil-like coating is highly flexible, resistant to occasional foot traffic and aging, hydrolysis, UV-rays, frost and salt.

KÖSTER 21 seals against synthetic oils and aliphatic hydrocarbons with high boiling points (up to 2bar).

KÖSTER 21 is not resistant against substances with high aromatic hydrocarbon contents (Benzol, Xylol, Toloul, etc. in case of questions contact our technical support team).

It does not contain volatile organic compounds (VOC = 0), is free of polyurethanes, isocyanates, and bitumen.

### Technical data

|   |                          |
|---|--------------------------|
| Color   | white                    |
| Consistency   | pasty                    |
| Mixing ratio (by weight)                                | 3: 2 (A : B)             |
| Application temperature                                 | + 5 °C to 35°C           |
| Substrate temperature                                   | min +5°C                 |
| Pot life (1 kg of mixed material) at 23 °C              | 45 min.                  |
| Thickness per layer                                     | 0.5 mm – 2.0 mm          |
| Crack bridging up to at least                           | 0.4 mm                   |
| Density   | 1.55 g / cm <sup>3</sup> |
| Final mechanical and chemical strength is reached after |                          |
| 7 days (at 23 °C and 65 % rel. humidity).               |                          |

### Fields of application

KÖSTER 21 is a waterproofing material for positive side waterproofing on basements, concrete slabs, in tanks, on flat roofs, underneath tiles, on terraces or balconies and similar applications.

KÖSTER 21 is also suitable as a protective coating against mineral oils and aliphatic hydrocarbons.

KÖSTER 21 is suitable for the protection of surfaces in facilities with chemical and mechanical demands on the coatings, such as containment and skimming tanks.

### Substrate preparation

The substrate can be dry or moist, (not wet) and free of loose particles or other bond inhibiting substances. Soiled substrates must be cleaned down to a solid layer. Clean off dust completely. On interior corners, install a fillet made of KÖSTER Repair Mortar Plus approx. 24 hours prior to the application of KÖSTER 21. Exterior corners must be broken and rounded.

### Application

The powder component is slowly added into the liquid component while mixing it with a slowly rotating electrical mixer (below 400 rpm) so that a lump free, homogenous consistency is achieved. Add up to 8% water to the material to achieve brush- and sprayable consistency. Only use clean and clear potable water. Mixing time is 3 minutes.

KÖSTER 21 is applied with a brush, roller, trowel, or other customary mason's tools. The material can also be spray applied; we recommend using the KÖSTER Peristaltic Pump.

KÖSTER 21 is applied in two coats. The waiting time before application of the second coat depends on the load of conditions of the waterproofed area:

- min. 3 hours without foot traffic (e.g. vertical areas)
- 24 hours before walking on the first layer.

On areas which are likely to form cracks, or on intersections (e.g. wall floor junctions) embed a mesh into the first fresh layer. For larger areas use KÖSTER Glass Fibre Mesh, on round surfaces or corners use the more flexible KÖSTER Flex Fabric. The fresh coating is water soluble and must be protected from rain until it has fully dried. The minimum consumption is at least 0.8 kg/m<sup>2</sup> per layer.

### Consumption

Total consumption: approx. 2.0 kg / m<sup>2</sup>

### Cleaning of tools

Clean tools immediately after use with water.

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.

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