



## KÖSTER KBE Liquid Film

Technical Data Sheet W 245

Issued: 2022-09-09

- Official test certificate, MPA NRW. – testing according to AIB, appendix III  
- Official test certificate of AMPA, Hannover examination according to ASTM  
- Test report College of Ostfriesland, - water vapor permeability

### Highly elastic, solvent-free, rubber/bitumen liquid membrane

#### Features

KÖSTER KBE Liquid Film is a highly elastic, solvent-free sealing compound with a rubber / bitumen basis.

#### Technical Data

Solids content	> 60 % by weight
pH-value	11.0
Elongation at break	> 900 %
Deformation recovery capacity	> 60 %
Viscosity	ca. 8000 mPa*s
Application temperature	+ 5 °C to + 35 °C
μ-value	approx. 13000
sd-value	approx. 26 m (at 2 mm dry layer thickness)

#### Fields of Application

For foundation waterproofing and intermediate waterproofing on horizontal areas such as terraces, balconies, wet and moist rooms (under screeds), as well as vertical areas such as ventilated facades with covering systems, for priming and for sealing the seams and edges of KÖSTER KSK waterproofing membranes in above and below ground construction, and garages.

#### Substrate

The substrate can be dry or slightly moist but not wet. It has to be free of frost, grease, tar and oil, loose particles, and any bond-inhibiting material.

Protrusions must be minimized. Edges must be broken, (chamfered to approx. 45 degrees). Internal corners and wall/floor junctions must be rounded out with fillets. The material can be applied on concrete, plaster, masonry, and bitumen roofing membranes.

#### Application

Stir well before application. KÖSTER KBE Liquid Film can be applied with a roller, brush, trowel, paint brush or with suitable spraying equipment. Each coat must completely dry before the next coat can be applied. When applied by brush, the material should be brushed in perpendicular layers to achieve a homogeneous and evenly distributed coverage.

Proper drying of the coating can only be warranted if the temperature during application and drying is above + 5 °C. KÖSTER KBE Liquid Film can be covered with other materials after 24 hours.

#### Elastic waterproofing of areas in ground contact

KÖSTER KBE Liquid Film is ideal for application over plaster or concrete, flush jointed masonry or KÖSTER NB 1 Grey. Voids, open joints, etc. have to be closed prior to application using, for example, KÖSTER Repair Mortar. In the area of wall/floor junctions, on construction joints and especially in areas at risk of cracking, KÖSTER Superfleece or KÖSTER Glass Fiber Mesh has to be embedded into the fresh first layer.

Prior to backfilling, the coating has to be protected against mechanical damage, for example with KÖSTER Protection and Drainage Sheet 3-400. The installation of a suitable drainage system is also recommended.

KÖSTER KBE Liquid Film is also suitable for waterproofing floor areas against rising damp.

Expose the coating to stresses such as movement, water etc., only after the waterproofing layer has completely dried. On horizontal areas, two layers of PE-foil are placed as a gliding layer on top of the cured waterproofing layer before the screed is installed.

#### Area waterproofing

KÖSTER KBE Liquid Film can be used undiluted in a thin layer as a primer. After the primer has dried, the waterproofing coats are applied. For area waterproofing, apply at least 2, preferably 3 coats. Embed KÖSTER Superfleece or KÖSTER Glass Fiber Mesh into the first fresh coat on the whole area, specially in the area of penetrations, fillets and edges. The reinforcement layers are inserted on top of the first layer. After the first layer has hardened, the second layer can be applied.

#### Balconies and terraces

KÖSTER KBE Liquid Film is especially suited for waterproofing balconies and terraces. Waterproofing drains, around downspouts and gutter connections can be applied in one seamless application without complicated detailing work. KÖSTER Superfleece or KÖSTER Glass Fiber Mesh is embedded into the fresh first layer of KÖSTER KBE Liquid Film over the entire area as well as at all connections.

In cases of extreme joint movement or at wall / floor junctions, KÖSTER BD Flex Tape K 120 is embedded. On top of the fully dried coating, two layers of 0.4 mm PE-foil are placed as a gliding layer. Afterward, a reinforced screed with a min. layer thickness of 3 cm is installed.

#### In combination with KÖSTER KSK waterproofing membranes

KÖSTER KBE Liquid Film can be used as primer for KÖSTER cold self-adhesive membranes. Apply KÖSTER KBE Liquid Film diluted as a primer over the entire surface.

KÖSTER KBE Liquid Film is also used undiluted to seal the ends, all overlaps and details of the KÖSTER KSK membranes.

#### Consumption

Waterproofing: Approx. 1.0 kg / m<sup>2</sup> / mm per coat; Primer: Approx. 200 g / m<sup>2</sup> in one coat mixed 1:1 with water; Seam sealing: Approx. 1.0 kg / m<sup>2</sup> / mm layer thickness.

#### Cleaning

Clean tools immediately after use with water. Clean off dry material with KÖSTER Universal Cleaner.

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 application 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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## Waterproofing Systems

### Packaging

W 245 006	6 kg bucket
W 245 024	24 kg bucket

### Storage

Store the material in a frost-free place. In originally sealed containers it can be stored for a minimum of 12 months.

### Related products

KÖSTER BD Flex Tape K 120	Prod. code B 931
KÖSTER KSK ALU Strong	Prod. code R 817 105 AS
KÖSTER NB 1 Grey	Prod. code W 221 025
KÖSTER Glass Fiber Mesh	Prod. code W 411
KÖSTER Superfleece	Prod. code W 412
KÖSTER Repair Mortar	Prod. code W 530 025
KÖSTER Fix-Tape 10 ALU	Prod. code W 810 AL
KÖSTER KSK ALU 15	Prod. code W 815 096 AL
KÖSTER KSK SY 15	Prod. code W 815 105
KÖSTER Peristaltic Pump	Prod. code W 978 001
KÖSTER Universal Cleaner	Prod. code X 910 010

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