



KOSTER KBE Liquid Film

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

Features

KOSTER KBE Liquid Film is a highly elastic, solvent-free, rubber/bitumen based compound. The material is weather and UV-resistant.

Technical Data

Solids content	> 60 % by weight
pH-value	11
Elongation at break	> 900 %
Retraction	> 60 %
Viscosity	Approx 8000 cps
Application temperature	40 - 95 °F
Application Thickness	Waterproofing: ≥ 90 mils Damp-proofing: ≥ 60 mils

Fields of Application

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

Elastic waterproofing of areas in ground contact

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

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

KOSTER 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.

Balconies and terraces

KOSTER 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. Embed KOSTER Glass Fiber Mesh or KOSTER Flex Fabric into the fresh first layer of KOSTER KBE Liquid

Film over the entire area as well as at all connections.

In cases of extreme joint movement or at wall / floor junctions, embed KOSTER BD Flex Tape K 120. On top of the fully dried KBE Liquid Film coating, place two layers of 16 mil polyethylene sheet as a gliding layer. Afterwards, install a reinforced screed at a min. layer thickness of 1.25 inches.

Application of KOSTER KSK membranes

KOSTER KBE Liquid Film can be used undiluted as primer for KOSTER cold self-adhesive membranes. The primer coat should cover the substrate completely.

KOSTER KBE Liquid Film is also used to seal the ends of the KOSTER KSK membranes

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 installation.

Area Waterproofing

A primer can be made of KOSTER KBE Liquid Film and water in a mixing ratio of 1:10. It is applied with a brush, roller or suitable spray equipment in one coat. After the primer has dried, the waterproofing coats are applied. KOSTER KBE Liquid Film can be applied with a roller, brush, trowel, paint brush or with suitable spraying equipment. Every coat must dry completely before the next coat can be applied. For area waterproofing, apply at least 2, preferably 3 undiluted coats. Embed KOSTER Glass Fiber Mesh or KOSTER Flex Fabric into the first fresh coat on the whole area. The mesh is painted over with a brush or a roller.

Fresh coatings can be protected from rain by applying KOSTER BE Rainproof. Proper drying of the coating can only be warranted if the temperature during application and drying is above + 5 C. KOSTER KBE Liquid Film can be covered with other materials after 24 hours.

Application of KOSTER KSK Membranes

KOSTER KBE Liquid Film can be used as a primer – diluted or undiluted – for KOSTER cold self-adhesive membranes. The primer coat should cover the substrate completely. KOSTER KBE Liquid Film is also used to seal the ends of the KOSTER KSK membranes. The material is used undiluted for this purpose.

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 installer is responsible for the correct application taking into consideration the specific conditions of the construction site and 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 deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.

Coverage

Dependent on application.

As a primer: Approx. 170 sq ft/gal.

For waterproofing: approximately 0.2 - 0.25 lbs/sq ft per layer, total consumption 0.5 lb/sq ft.

For dampproofing: approximately 0.15 - 0.2 lb/sq ft per layer, total consumption 0.4 lb/sq ft.

Coverage will vary according to substrate absorbency.

Cleaning

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

Packaging

W 245 006 13.2 lb bucket

W 245 024 52.8 lb pail

Storage

Store in a cool, dry place. Protect from freezing. In originally sealed container, it can be stored for 12 months.

Safety

Limited Warranty

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

Related products

KOSTER BD Flex Tape K 120	Art.-Nr. B 931
KOSTER NB 1 Grey	Art.-Nr. W 221 025
KOSTER BE Rainproof	Art.-Nr. W 330 005
KOSTER Glass Fiber Mesh	Art.-Nr. W 411
KOSTER Repair Mortar	Art.-Nr. W 530 025
KOSTER KSK SY 15	Art.-Nr. W 815 105
KOSTER Peristaltic Pump	Art.-Nr. W 978 001
KOSTER Universal Cleaner	Art.-Nr. X 910 010

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