




## KÖSTER MS-Flexfolie

Technical Data Sheet W 200 008

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Research Report: Accelerated cyclical weathering according to the ASTM G154

**Very easy to apply, one component, fast curing, highly elastic, UV resistant waterproofing with very good adhesion to numerous substrates**

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Water vapor permeability Capillary absorption and permeability to water Adhesion strength  Response to fire Dangerous materials	Class 1 W <sup>0.5</sup>  Crack bridging system or flexible systems without traffic load $\geq 0.8$ N/mm <sup>2</sup> D-s 1.d0 Materials 5.3 appropriate

### Features

KÖSTER MS-Flexfolie is a single component, liquid applied, elastic, crack bridging waterproofing material based on MS Polymer technology. It is characterized by excellent adhesion to a wide variety of building materials and can be applied on dry or slightly moist substrates. It is liquid applied and therefore seamless, which greatly eases application to complicated architectural details. Due to its UV stability it is suitable for indoor and outdoor use. It is quickly resistant to rain.

KÖSTER MS-Flexfolie is solvent free and does not contain isocyanates. The fast curing coating is highly flexible, resistant to occasional foot traffic, aging, hydrolysis, UV-rays, salts, and frost.

### Technical Data

Application Temperature	+ 5 °C - + 35 °C
Tensile strength (+ 23 °C)	1.3 N/mm <sup>2</sup>
Elasticity	500%
Service temperature	- 25 °C to + 80 °C
Application thickness	1.5 – 2.0 mm
Max. waiting timer for second layer	12 hours
Complete cure after (+ 23 °C)	24 – 48 h
Density	1.5 g / cm <sup>3</sup>
Accelerated weathering test ASTM G154	unchanged after 5000 h

### Fields of Application

KÖSTER MS-Flexfolie is a waterproofing material for the positive side waterproofing, concrete slabs, on flat roofs, on terraces or balconies, in wet and damp rooms, and similar applications. Due to its excellent adhesion to most substrates (including masonry, concrete, screed, PVC, FRP, Plastics, and metal) and high elasticity it is an excellent repair material. The general accepted principles of construction

technology and the applicable construction standards must be adhered to.

### Substrate

Substrates must be 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 MS-Flexfolie. Exterior corners must be broken and rounded.

### On concrete and other mineral substrates (except gypsum)

KÖSTER CT 121 primer must be applied beforehand when using the KÖSTER MS Flexfolie Film. This is then broadcast with kiln-dried silica sand to increase adhesion.

### On non-absorbent substrates and PVC profiles (various plastics) or metals

the surface must be roughened with a scouring pad (eg Scotch Brite) and cleaned with alcohol. As a primer, apply KÖSTER PU 120 is thinly and evenly applied with a lint-free cloth.

### Application

KÖSTER MS-Flexfolie 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 MS-Flexfolie is applied in two coats. The first coat must cure enough that it is not disturbed or damaged by the application of the second coat. At intersections such as wall floor junctions, embed KÖSTER Superfleece into the fresh first layer. The overlapping should be at least 10 cm. The fresh coating must be protected from rain until it has set.

On vertical areas, KÖSTER MS-Flexfolie is thickened with upto 6% KÖSTER KB-Pox Thickening Agent.

### Consumption

approx. 1.5 – 2.5 kg / m<sup>2</sup>  
Do not exceed layer consumption by more than 100%.

### Cleaning

Clean tools immediately after use with KÖSTER Universal Cleaner. Cured material must be mechanically removed.

### Packaging

W 200 008	2 x 4 kg tubular bags
W 200 025	25 kg bucket

### Storage

Store the material frost free at temperatures between + 5 °C and + 25

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.

# KÖSTER

## Waterproofing Systems

°C. In originally sealed packages, the material can be stored for a period of 12 months.

### Safety

Observe all governmental, state, and local safety regulations while processing the material.

### Related products

KÖSTER Repair Mortar NC	Prod. code C 535 025
KÖSTER LF-BM	Prod. code CT 160
KÖSTER Construction Resin	Prod. code CT 165 025
KÖSTER KB-Pox Thickening Agent	Prod. code CT 764
KÖSTER PU Primer 120	Prod. code J 138 250
KÖSTER Superfleece	Prod. code W 412
KÖSTER Universal Cleaner	Prod. code X 910 010

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