

KEMAFOIL

Elastic waterproof foil

- For indoor and outdoor use
- Elastic
- Resistant to alkaline substances
- Crack overbridging
- Vapor barrier
- Resistant to weathering
- Suitable for sealing slurries



PRODUCT DESCRIPTION	Highly elastic waterproof foil, with fleece material on both sides, width 1000 m and thickness 0,5 mm.
FIELD OF USE	Waterproof foil is used to protect floors and walls under thin-set tile installations from substrate cracks and moisture migration. KEMAFOIL is not intended as final layer, it has to be protected with ceramic tiles.
	For sealing of wet surfaces before installation of ceramics. KEMAFOIL has to be installed in fresh adhesive, class at least C2 (KEMABOND FLEX 131, KEMAKOL FLEX 170, KEMA STARLIGHT FLEX).
PRODUCT PROPERTIES	<ul style="list-style-type: none"> • For indoor and outdoor use • Elastic • Resistant to alkaline substances • Crack overbridging • Vapor barrier • Resistant to weathering • Suitable for sealing slurries



PRODUCT DATA			
BASIC INFORMATION	Appearance	Yellow foil	
	Packing	30 m roll (30 m2)	
	Storage and expiration date	Minimum 24 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.	
TECHNICAL DATA	Working temperature	from +5°C	
	Total Thickness	0,51 mm	
	Width	1000 mm	
	Roll length	30 m	
	Total weight	297,7 g/m	
	Water pressure resistance	Leakproof at 3 bar	intern methode
	Equivalent air layer thickness, Sd-value	> 85 m	DIN EN 1931
	Moisture vapour transmission resistance coefficient μ	ca. 166666	
	Temperature resistance	-5°C / +90°C	
	Fire class (DIN, EN)	B2	DIN EN 4102
	Rupture strain, lateral direction	83 %	DIN 527-3
	Rupture strain, lengthwise direction	86 %	DIN 527-3
	Tensile strength, lateral direction 25%	2,61 N/mm	DIN 527-3
	Tensile strength, lateral direction 50%	2, 94 N/mm	DIN 527-3
	UV resistance	< 500 h	DIN EN ISO 4892-2

INSTRUCTIONS FOR USE

CONSUMPTION 1,05 m per m (a 5-cm overlap must be considered)

BASE Substrate should be clean, solid, sound, even and free of all oil, grease, wax, latex compounds, curing compounds, dust and all foreign matter.

BASE PREPARATION Suitable method for cleaning of surface is with water under big pressure or sandblasting. Cracks, damages, segregation nests, and other irregularities on the surface must be previously repaired with HIDROSTOP KIT quick-setting putty.

Active water intrusions are stopped with the HIDROZAT mortar.

Bigger floor unevenness (0.5-2 cm) should be levelled by applying LINEA 820 M (LINEA 20) mass to the connective KEMACRYL coating, diluted with water in the 1:1 ratio.

Absorptive surfaces has to be impregnated with the polymer dispersion (KEMACRYL, KEMAGRUND S or KEMAGRUND A) diluted with water in the ratio 1:1 to 1:3 (consider direction for use in technical data sheets for primers KEMA).

Suitable foundations:

- heated and unheated screeds
- concrete
- brickwork
- porous concrete
- plaster
- plaster with cement or lime-cement mortar
- gypsum boards.

The residual moisture content must not exceed the following values (CM-value):

- cement screed: 2 %
- anhydrite screed: 0,5 %
- anhydrite screed, heated: 0,3 %

INSTALLATION Foil cut to size with a knife or scissors before. On the cleaned surface should be applied thin layer adhesive (KEMABOND FLEX 131, KEMAKOL FLEX 170, KEMA STARLIGHT FLEX) with trowel. KEMAFOIL imprinted in fresh layer of adhesive (KEMABOND FLEX 131, KEMAKOL FLEX 170, KEMA STARLIGHT FLEX) and with flat side of trowel could be used to push KEMAFOIL into the adhesive to ensure 100% adhesion and waterproof of surface. Overlap seams of the KEMAFOIL at least 5 cm. For in-and outside corners as well as pipe culverts can be the respective pre-shaped corner system or is cut corresponding hole in the shape of a square. During fixing the KEMAFOIL be careful to achieve a full adhesion. Final coatings, tiles and similarly can be incorporated immediately after fixing elastic waterproof foil KEMAFOIL .

TOOL Trowel.

CLEANING OF TOOL Clean tools immediately after the use before mortar hardens. Hardened material on tools can only be removed mechanically.

LIMITATIONS

- WARNINGS**
- KEMAFOIL cannot be used as a top layer, and must always be covered with a protective layer such as a ceramic coating (after hardening of the mortar).
 - Protect freshly installed material from freezing, rain and other bad weather conditions. The material should not be used at (surface, air, material) temperatures lower than 5°C.

Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.