



Technical Data Sheet

Waterproof & Decoupling Membrane for Floors

Code No. WFM464 / WFM457 / WFM530



Description:	3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.		
Product category:	CFT-Components for Tiling		
Product group:	SM/DM		
Material composition:	<u>Substrate:</u> Two different layers of polypropylene non-woven. <u>Membrane:</u> One inner layer of Polyethylene waterproofing membrane.		
Application:	Sealing and decoupling membrane to be applied with tiles or natural stones for safe decoupling and perfect waterproofing. If used as indoor waterproofing membrane suitable for medium to high loads of non-pressurized water but only to be applied on floors (e.g. floors of domestic bathrooms and sales floors with large-size tiles or on outside balconies and terraces where no living space is situated underneath).		
Colour:	Grey / black		
Resistance to temperature: min. / max.	-30°C / + 90°C		
Physical Properties: (approx.)	DIN	Value	Tolerance
Max. total width:	Internal	1000 mm	+/- 5 mm
Thickness:	Internal	0,90 mm	+/- 0,1 mm
Total weight:	Internal	375 g / m ²	+/- 40 g / m ²
Length per roll:	Internal	5 / 10 & 30 metres	- 0,0 m / + 1 %
Breaking load longitudinal	DIN EN ISO 527-3	400 N / 50 mm	≥ 300 N / 50 mm
Breaking load lateral	DIN EN ISO 527-3	430 N / 50 mm	≥ 330 N / 50 mm
Extension break longitudinal	DIN EN ISO 527-3	90 %	≥ 60 %
Extension break lateral	DIN EN ISO 527-3	100 %	≥ 70 %
Resistance to tearing longitudinal	DIN EN 12310-2	160 N	≥ 100 N
Resistance to tearing lateral	DIN EN 12310-2	150 N	≥ 100 N
Resistance to water pressure	DIN EN 1928 (Version B)	3,0 bar	≥ 1,5 bar
UV-Resistance:	DIN EN ISO 4892-3	≥ 450 h	
Moisture vapour resistance air equivalent (sd)	ETAG 022	≥ 85 m (93 % r.h. to 50 % r.h.)	
Bonding strength	DIN EN 1348	≥ 0,2 N / mm ² *	
Burst pressure:	Internal	≥ 3,0 bar	
Fire classification	DIN EN 4102	B2	

* in dependence of the used adhesive

Chemical Properties:	Resistance after storage over 7 days by room temperature in following chemicals	+ = resistant 0 = weakened - = non resistant
Hydrochloric acid 3%	Internal	+
Sulphuric acid 35%	Internal	+
Citric acid 100g/l	Internal	+
Lactic acid 5%	Internal	+
Sodium hypochlorite 0,3g/l	Internal	+
Salt water (20g/l Sea water salt)	Internal	+
Potassium hydroxide 3% / 20%	Internal	+ / +
Alkali 28d / 40° / 3%	Regulations according to AbP	+
Alkali	Regulations according to ETAG 022 16 weeks	+

Certified according to DIN EN ISO 9001: 2015

Made in Europe

Warranty: 5 years warranty for the guaranteed product qualities

Attention: Due to technical reasons the colour of the material or the printing may vary slightly from batch to batch

Storage: cool and dry, protect against sunlight, use within 24 months after receipt

A **technical data** sheet is a quality document whose values and tolerances were determined using one or more representative pilot productions. This sheet has a minimum validity of 12 months and will then be revised based on the insights gained in the meantime.

The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters. Please contact us if you have any further questions.

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