



Technical Data Sheet

Waterproof Wall Membrane

Code No. WWM463 / WWM456



Description:	3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.		
Product category:	Components for Tiling		
Product group:	SM-Sealing membrane		
Material composition:	<u>Substrate:</u> Two outer layers of polypropylene non-woven. <u>Membrane:</u> one inner layer of Polyethylene waterproofing membrane.		
Application:	Sealing membrane to be applied under ceramic tiles and flagstones has excellent waterproofing properties. Suitable for example for the following typical areas: domestic bathrooms, commercial kitchen, public and domestic shower rooms & wet areas. The sealing membrane can also be applied on outside balconies and terraces where no living space is situated underneath. If applied with suitable adhesives or sealants it meets the requirements of higher moisture stress classification (e.g. swimming pools).		
Colour:	Yellow (Additional widths upon request)		
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	0,50 mm	+/- 0,1 mm
Total weight:	Internal	307 g / m ²	+/- 25 g / m ²
Length per roll:	Internal	5m & 20 metres	- 0,0 m / + 1 %
Breaking load longitudinal	DIN EN ISO 527-3	325 N / 50 mm	≥ 250 N / 50 mm
Breaking load lateral	DIN EN ISO 527-3	160 N / 50 mm	≥ 120 N / 50 mm
Extension break longitudinal	DIN EN ISO 527-3	70 %	≥ 40 %
Extension break lateral	DIN EN ISO 527-3	90 %	≥ 60 %
Resistance to tearing longitudinal	DIN EN 12310-2	65 N	≥ 40 N
Resistance to tearing lateral	DIN EN 12310-2	120 N	≥ 75 N
Resistance to water pressure	DIN EN 1928 (Version B)	≥ 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	+

Complied the strict requirements for classification according EMICODE emission class EC 1 plus and according French VOC-regulation A+.

Certified according to DIN EN ISO 9001: 2008

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.