



Technical Data Sheet

AlinO-Gard Waterproof Membrane and Accessories

Description:	3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.	
Material composition:	Substrate: Two outer layers of polypropylene non-woven. Membrane: One inner layer of Polyethylene waterproofing membrane.	
Application:	Sealing component 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). Recommended for areas with increased radon occurrence.	
Color:	Ocean Blue (Additional colors upon request)	
Resistance to temperature: min. / max.	- 5°C / + 90°C	
Physical Properties: (approx.)	Value	Test Method
Total Thickness	8 mil	Internal
Material Weight	298 g/m ²	
Mold Growth	Membrane did not support mold growth	ANSI A118.10 Section 4.1
Seam Strength	40 lbf	ANSI A118.10 Section 4.2
Breaking Strength		
	Longitudinal	949 PSI
	Transverse	1765 PSI
Dimensional Stability		
	Longitudinal (158 °F)	-0.23%
	Longitudinal (-15 °F)	-0.03%
	Transverse (158 °F)	-0.13%
	Transverse (-15 °F)	-0.01%
Waterproofness	No moisture penetration	ASNI A118.10 Section 4.5
Sheer Strenght To Ceramic Tile and Cement Mortor		
7 Day shear strenght	139 PSI	ANSI A118.10 Section 5.3
7 Day water immersion shear strenght	126 PSI	ANSI A118.10 Section 5.4
4 Week shear strenght	109 PSI	ANSI A118.10 Section 5.5
12 Week shear strenght	92 PSI	ANSI A118.10 Section 5.6
100 Day water immersion shear strenght	131 PSI	ANSI A118.10 Section 5.7
Test Method for Water Vapor Transmission	0.051 Perms	ASTM E96 Method E
Test Method for Water Vapor Transmission	0.032 Perms	ASTM E96 Method A
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	+
Potassium hydroxide 3% / 20%	Internal	+ / +
Sodium hypochlorite 0,3g/l	Internal	+
Salt water (20g/l Sea water salt)	Internal	+

Made in USA

Warranty: 10 year limited warranty for the guaranteed product qualities

Attention: Due to technical reasons the color 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 user's 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.