

WATERPROOFING/CRACK ISOLATION

3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.

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).

AVAILABLE SIZES

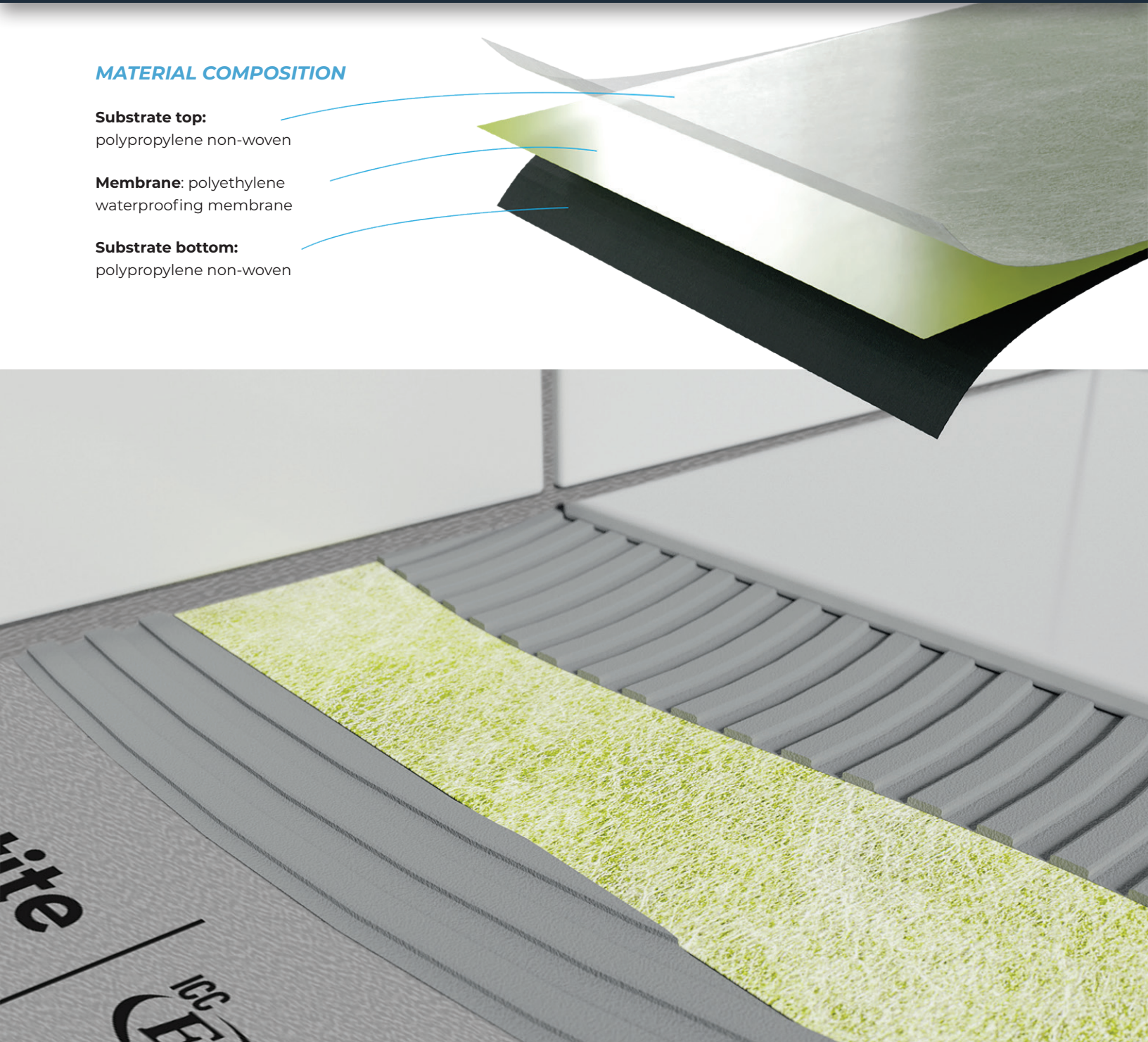
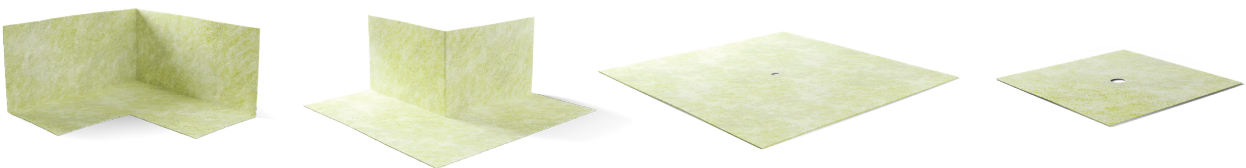
2m x 11.61m (6.56ft x 38.09ft) / 250sq ft	1m = 39.37ft
2m x 20.9m (6.56ft x 68.57ft) / 450sq ft	2m = 78.74ft

MATERIAL COMPOSITION

Substrate top:
polypropylene non-woven

Membrane: polyethylene
waterproofing membrane

Substrate bottom:
polypropylene non-woven

**SYSTEM COMPONENTS**

Crack Isolation Membrane CIM+

Description:	3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.	
Material composition:	Two different outer bonding layers of non-woven fabric and one inner waterproofing layer.	
Application:	Decoupling and waterproofing membrane to be applied with tile or natural stone flooring. Suitable for medium to high loads of non-pressurized water if used as an indoor waterproofing membrane (e.g., bathroom floors, sales floors with large-size tiles, or outside balconies and terraces without living space underneath).	
Color:	Colors upon request	
Resistance to temperature: min. / max.	23°F to 194°C (- 5°C / + 90°C)	
Physical Properties: (approx.)	Value	Test Method
Total Thickness	0.035 inches	Internal
Material Weight	11 ounces/yard ²	Internal
Mold Growth	Membrane does not support mold growth	ANSI A118.10 Section 4.1
Seam Strength	45 lbf	ANSI A118.10 Section 4.2
Breaking Strength		
Longitudinal	1640 PSI	ANSI A118.10 Section 4.3
Transverse	1753 PSI	
Dimensional Stability		
Longitudinal (158 °F)	-0.47%	ANSI A118.10 Section 4.4
Longitudinal (-15 °F)	0.10%	
Transverse (158 °F)	-0.57%	
Transverse (-15 °F)	0.04%	
Waterproofness	No moisture penetration	ANSI A118.10 Section 4.5
Shear Strength to Ceramic Tile and Cement Mortar		
7 Day shear strength	100 PSI	ANSI A118.10 Section 5.3
7 Day water immersion shear strength	99 PSI	ANSI A118.10 Section 5.4
4 Week shear strength	107 PSI	ANSI A118.10 Section 5.5
Shear strength at 0.125" deflection	103 PSI ⇒ High Performance	ANSI A118.12 Section 5.1.5
12 Week shear strength	73 PSI	ANSI A118.10 Section 5.6
100 Day water immersion shear strength	101 PSI	ANSI A118.10 Section 5.7
Accerated aging shear strength	109 PSI	ANSI A118.12 Section 5.1.6
Shear strength at 0.125" deflection	102 PSI ⇒ High Performance	
Point load test	1170 lbf / 1356 lbf / 1175 lbf	ANSI A118.12 Section 5.2
System crack resistance test	High Performance	ANSI A118.12 Section 5.4
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
Robinson Floor (with appropriate materials)	Extra Heavy	ASTM C627
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	+

Certified to ISO 9001:2015
Made in USA
Warranty: 10-year limited warranty for the guaranteed product qualities.

Attention: natural variation in materials may cause slight color variation between production batches.

Storage: cool and dry, protected against sunlight, and used within 24-months after receipt.

A **Technical Data Sheet** is a quality document with values and tolerances determined using manufacturing production.

This data sheet has a minimum validity of 12-months after receipt but may be subject to revision.

Technical information and application instructions are based on current knowledge and experience. However, it is each user's responsibility to verify suitability of our products for the intended purpose. Please contact us if you have any further questions.