



## 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

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

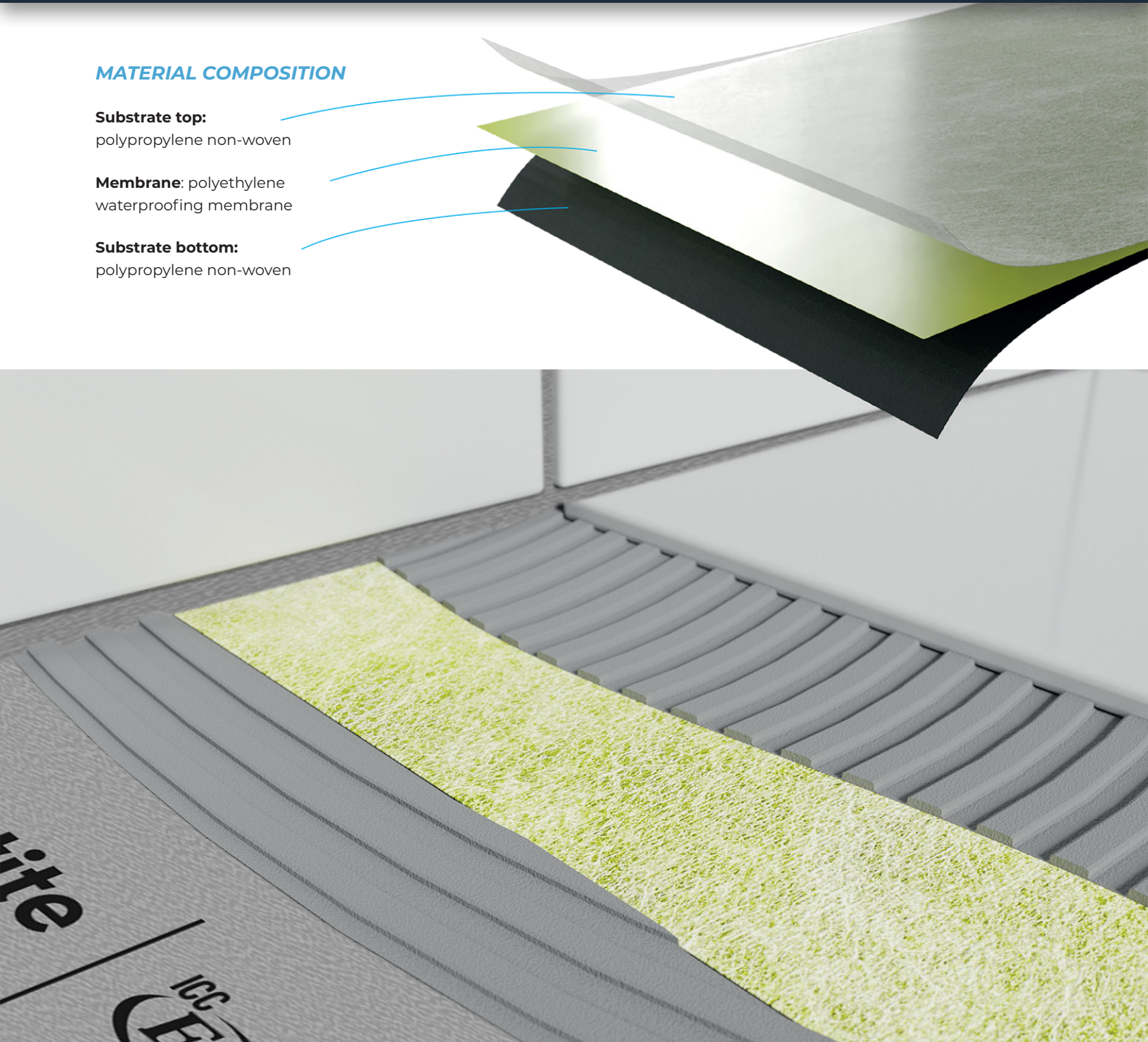
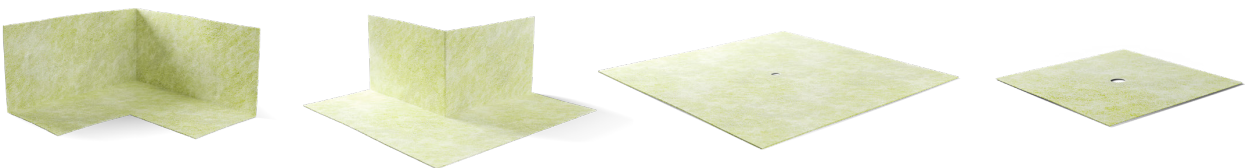


**MATERIAL COMPOSITION**

**Substrate top:**  
polypropylene non-woven

**Membrane:** polyethylene  
waterproofing membrane

**Substrate bottom:**  
polypropylene non-woven

**SYSTEM COMPONENTS**

**Crack Isolation Membrane CIM+**

<b>Description:</b>	3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.	
<b>Material composition:</b>	Two different outer bonding layers of non-woven fabric and one inner waterproofing layer.	
<b>Application:</b>	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).	
<b>Color:</b>	Colors upon request	
<b>Resistance to temperature: min. / max.</b>	23°F to 104°C (-5°C / +90°C)	
<b>Physical Properties: (approx.)</b>	<b>Value</b>	<b>Test Method</b>
<b>Total Thickness</b>	0.035 inches	Internal
<b>Material Weight</b>	11 ounces/yard <sup>2</sup>	Internal
<b>Mold Growth</b>	Membrane does not support mold growth	ANSI A118.10 Section 4.1
<b>Seam Strength</b>	45 lbf	ANSI A118.10 Section 4.2
<b>Breaking Strength</b>		
<b>Longitudinal</b>	1640 PSI	ANSI A118.10 Section 4.3
<b>Transverse</b>	1753 PSI	
<b>Dimensional Stability</b>		ANSI A118.10 Section 4.4
<b>Longitudinal (158 °F)</b>	-0.47%	
<b>Longitudinal (-15 °F)</b>	0.10%	
<b>Transverse (158 °F)</b>	-0.57%	
<b>Transverse (-15 °F)</b>	0.04%	
<b>Waterproofness</b>	No moisture penetration	ANSI A118.10 Section 4.5
<b>Shear Strength to Ceramic Tile and Cement Mortar</b>		
<b>7 Day shear strength</b>	100 PSI	ANSI A118.10 Section 5.3
<b>7 Day water immersion shear strength</b>	99 PSI	ANSI A118.10 Section 5.4
<b>4 Week shear strength</b>	107 PSI	ANSI A118.10 Section 5.5
<b>Shear strength at 0.125" deflection</b>	103 PSI → High Performance	ANSI A118.12 Section 5.1.5
<b>12 Week shear strength</b>	73 PSI	ANSI A118.10 Section 5.6
<b>100 Day water immersion shear strength</b>	101 PSI	ANSI A118.10 Section 5.7
<b>Accelerated aging shear strength</b>	108 PSI	ANSI A118.12 Section 5.1.6
<b>Shear strength at 0.125" deflection</b>	102 PSI → High Performance	
<b>Point load test</b>	1170 lbf / 1368 lbf / 1175 lbf	ANSI A118.12 Section 5.2
<b>System crack resistance test</b>	High Performance	ANSI A118.12 Section 5.4
<b>Test Method for Water Vapor Transmission</b>	0.051 perms	ASTM E96 Method E
<b>Test Method for Water Vapor Transmission</b>	0.032 perms	ASTM E96 Method A
<b>Robinson Floor (with appropriate materials)</b>	Extra Heavy	ASTM C627
<b>Chemical Properties</b>	Resistance after storage over 7 days by room temperature in following chemicals	+ = resistant 0 = weakened - = non resistant
<b>Hydrochloric acid 3%</b>	Internal	+
<b>Sulphuric acid 35%</b>	Internal	+
<b>Citric acid 100g/l</b>	Internal	+
<b>Lactic acid 5%</b>	Internal	+
<b>Potassium hydroxide 3% / 20%</b>	Internal	+ / +
<b>Sodium hypochlorite 0.3g/l</b>	Internal	+
<b>Salt water (20g/l Sea water salt)</b>	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.