



DESCRIPTION

Composeal Gray 20 mil PE is a pliable polyethylene waterproofing membrane. It is used to waterproof walls, floors, and other surfaces to prevent water penetration, protecting underlying structures from moisture damage. It's often used in showers, bathrooms, and other wet areas to create a waterproof barrier beneath tile and other finishes, ensuring a long-lasting and watertight installation.

- ◇ Made of 20 mil polyethylene
- ◇ 3-ply waterproof membrane
- ◇ Install using thin-set

AVAILABLE SIZES

40 Rolls per Pallet

- ◇ 1m x 30m Roll (323 sq ft)

OTHER 20MIL PE PRODUCTS



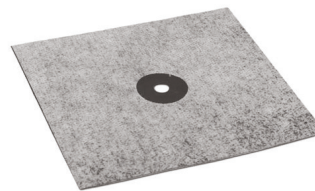
Composeal Gray 20 mil PE Seam Tape

- ◇ 5" x 30m



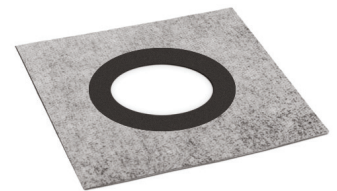
Composeal Gray 20 mil PE Corners

- ◇ Inside 90° & 135°
- ◇ Outside 90° & 135°



Composeal Gray 20 mil PE Pipe Collar

- ◇ Flexible design fits 1/2" or 3/4" shower head extension arms



Composeal Gray 20 mil PE Mixing Valve Seal

- ◇ 4-1/2"

Technical Data Sheet
 Sealing Membrane

 Date : 5/18/2020
 Version: IV

Description:	3-ply waterproof membrane protects floors and walls under thin-set tile installations from substrate cracks and moisture migration.	
Material composition:	<u>Substrate:</u> Two outer layers of polypropylene non-woven. <u>Membrane:</u> 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:	Colors upon request	
Resistance to temperature: min. / max.	- 5°C / + 90°C	
Physical Properties: (approx.)	Value	Test Method
Total Thickness	0.66 – 0.62 mm	Internal
Material Weight	8.79 oz/yard ²	Internal
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
Shear Strength To Ceramic Tile and Cement Mortar		
7 Day shear strength	139 PSI	ANSI A118.10 Section 5.3
7 Day water immersion shear strength	126 PSI	ANSI A118.10 Section 5.4
4 Week shear strength	109 PSI	ANSI A118.10 Section 5.5
12 Week shear strength	92 PSI	ANSI A118.10 Section 5.6
100 Day water immersion shear strength	131 PSI	ASNI 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	+

Certified by ISO 9001:2008
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.