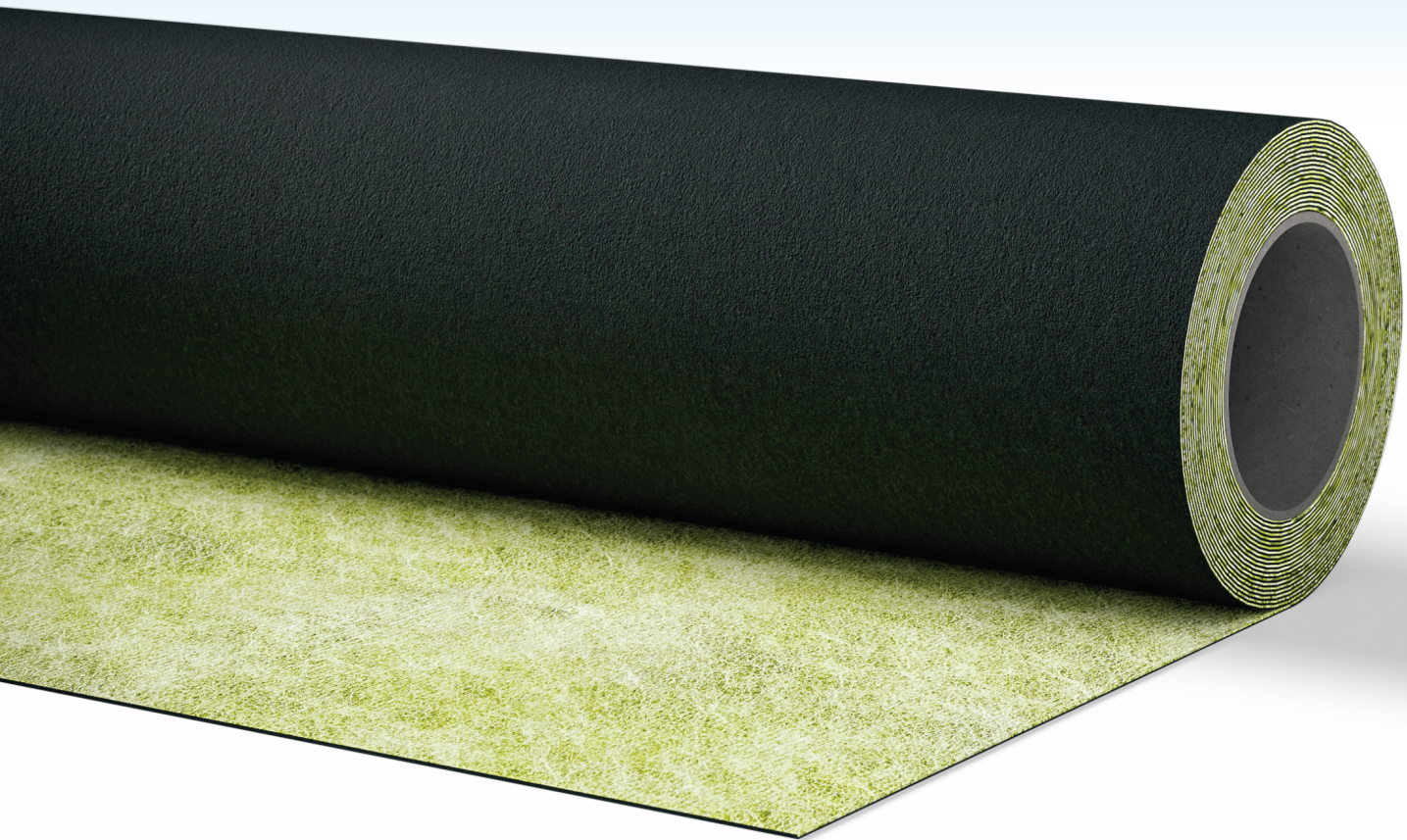


Composeal Gold 40 Mil PE



Components for Tiling

Water Proofing/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

Technical Data

Color	Yellow / Black
Resistance to Temperature min/max	- 30 °C / + 90 °C
Printing	Possible
Scaling	Possible

Physical Properties: (approx.)	DIN	Value	Tolerance
Max Total Width	Internal	1000 mm (Additional widths upon request)	+/- 5 mm
Thickness	Internal	0,90 mm	+/- 0,1 mm
Total Weight	Internal	375 g / m ²	+/- 40 g / m ²
Length Per Roll	Internal	30 metres (Additional widths upon request)	- 0,0 m / + 1%
Breaking Load Longitudinal	DIN EN ISO 527-3	400 N / 15 mm	≥ 300 N / 50 mm
Breaking Load Lateral	DIN EN ISO 527-3	430 N / 15 mm	≥ 330 N / 50 mm
Extension Break Longitudinal	DIN EN ISO 527-3	90 %	≥ 60 %
Extension Break Lateral	DIN EN ISO 527-3	100 %	≥ 70 %
Resistance to Tearing Longitudinal	DIN EN 12310-2	160 N	≥ 100 N
Resistance to Tearing Lateral	DIN EN 12310-2	150 N	≥ 100 N
Resistance to Water Pressure	DIN EN 1928 (Version B)	3,0 bar	>1,5 bar
UV-Resistance	DIN EN ISO 4892-3	≥ 450 h	
Moisture Vapor Resistance Air Equivalent	ETAG 022	≥ 85 m	
Bonding Strength	DIN EN 1348	≥ 0,2 N / mm ² *	
Burst Pressure	Internal	≥ 1,5 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 100 g/l	Internal	+
Lactic acid 5 %	Internal	+
Sodium hypochlorite 0,3 g/l	Internal	+
Salt water (20 g/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	+

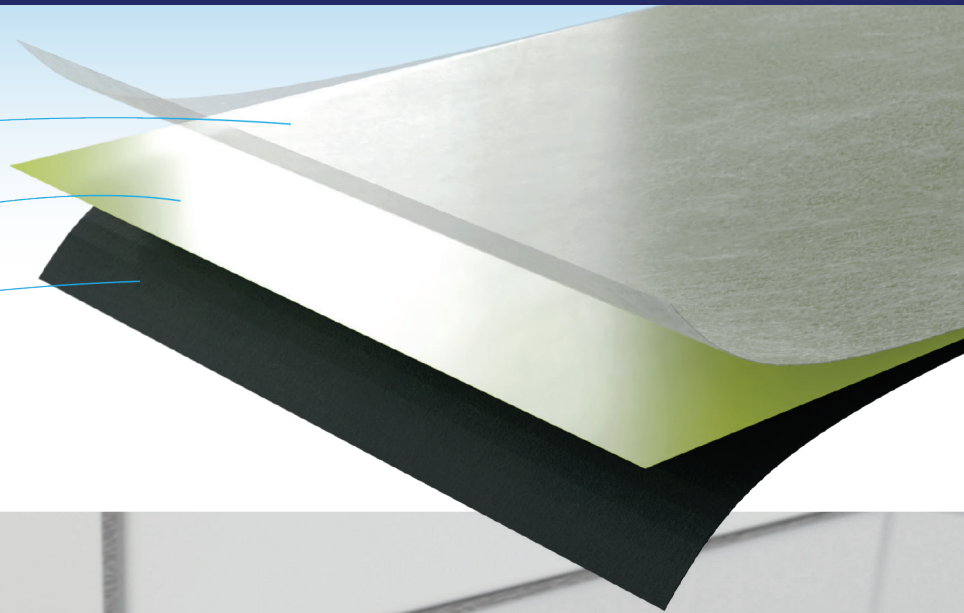
Certified according to	Certified according to DIN EN ISO 9001: 2015 Made in USA
Warranty	5 years warranty for the guaranteed product qualities
Storage	cool and dry, protect against sunlight, use within 24 months after receipt
Attention	Due to technical reasons the color of the material or the printing may vary slightly from batch to batch

Material Composition

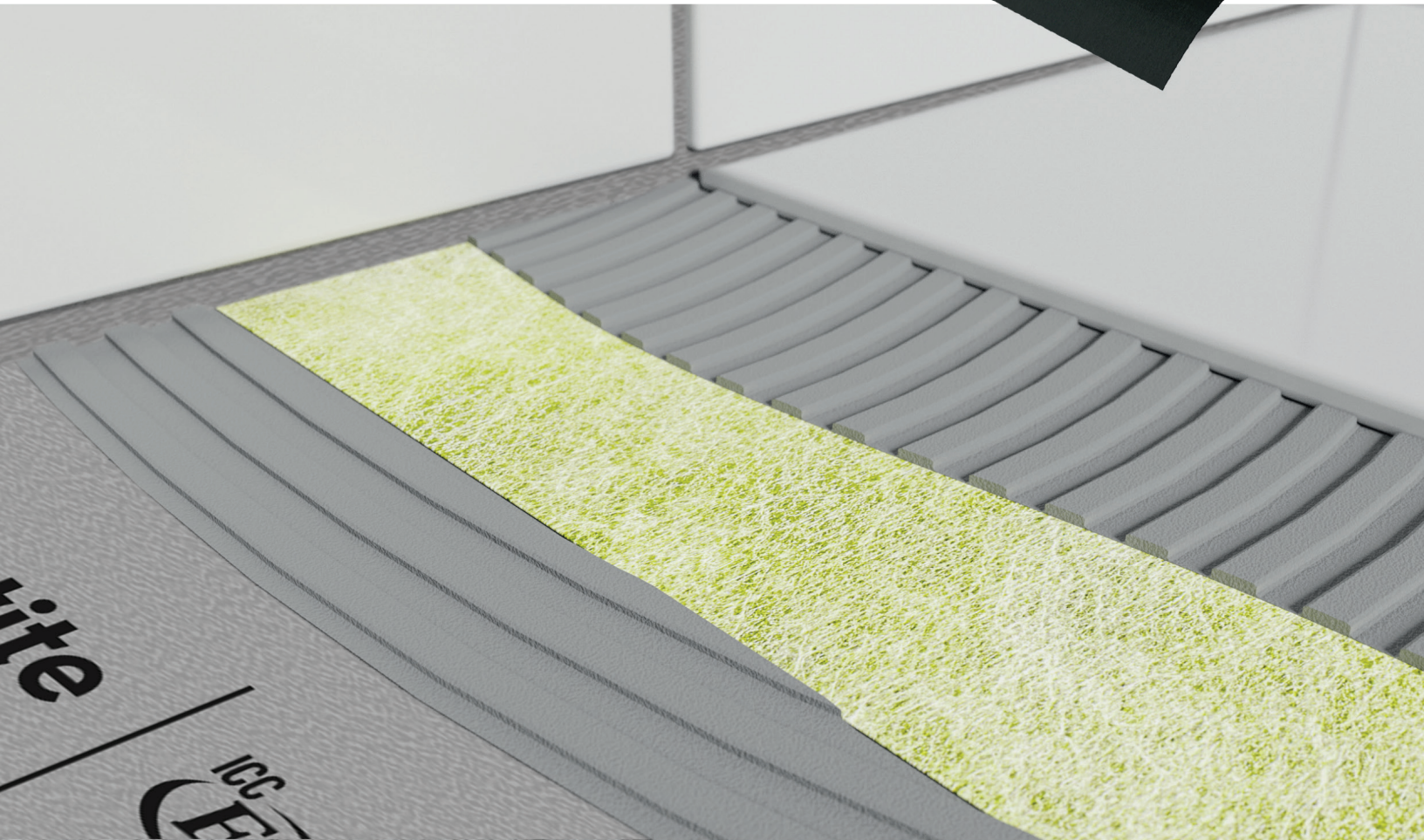
Substrate top:
polypropylene non-woven

Membrane: polyethylene
waterproofing membrane

Substrate bottom:
polypropylene non-woven



Applications



System Components



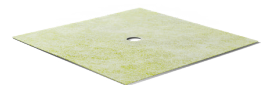
inside corner



outside corner

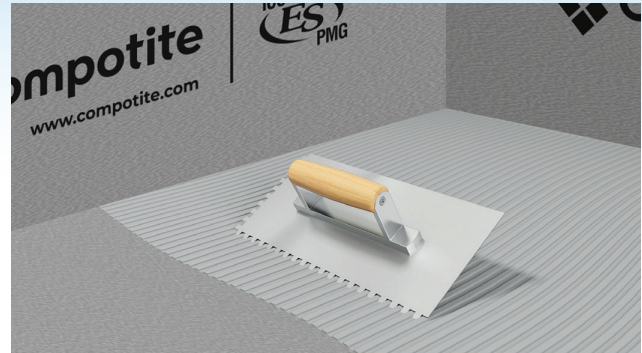


floor collar

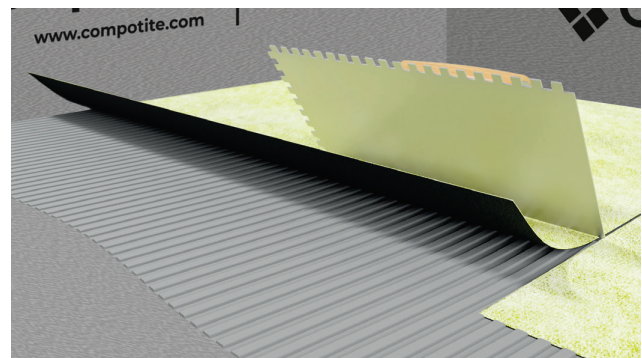


wall collar

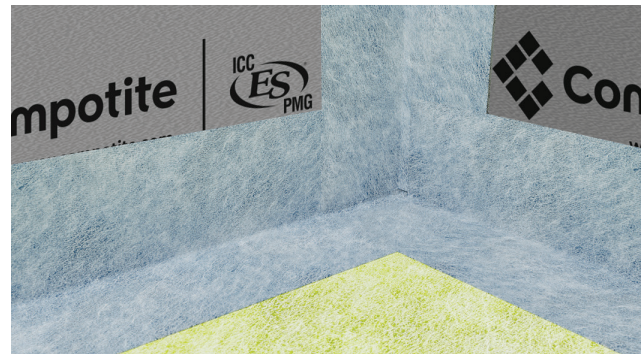
Trim the water proofing membrane/crack isolation membrane to the size of the floor being covered. Prepare the floor making sure dust & debris are removed from the surface. After the surface area is clean, use modified/multi-purpose thin set using a 1/4" x 1/4" (6mm x 6mm) square toothed trowel.



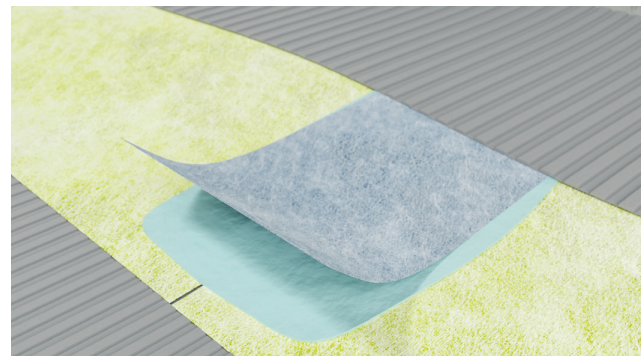
Apply the Composeal Gold 40 Mil PE sheet membrane to the ground in a precise and edge-to-edge direction and smooth it towards the edges. Avoid air inclusions and glue residues!



(only needed for waterproofing)
After installing the sealing membrane, apply the seam tape and corners and continue according to the installation instructions of sealing products. Please use 6" PE seam tape on joints and all corners. Use 6" PE seam tape or you can cut 6" strips to make your own seam tape, seam is applied using thin set (Seam tape is non adhesive).



If the floor is to be sealed as well, the joints must be covered with a sealing tape and waterproofing material. Liquid membrane can be used under the membrane to the floor. Mix waterproofing material and apply it onto the water proofing membrane/crack isolation membrane with a suitable notched trowel.



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 know-ledge. 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 info@compotite.com if you have any additional questions