profiltec
positive profile

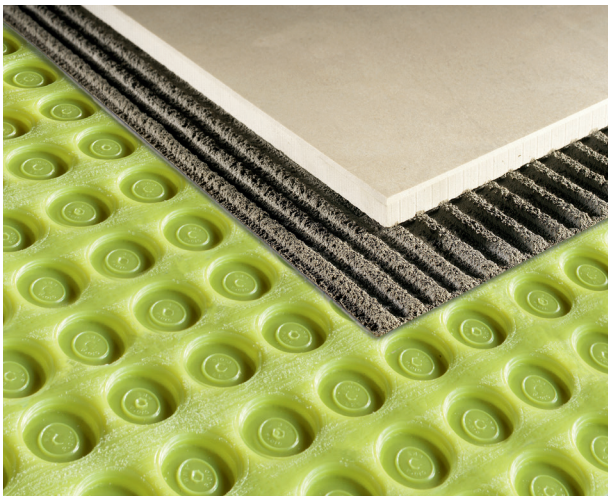
floortec®

MEMBRANE DESCRIPTION

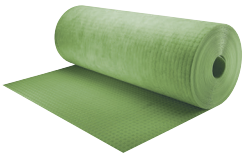
Floortec is an **uncoupling membrane** that is placed between the ceramic floor and the substrate. Its use **prevents the formation of cracks** as it acts as a stress compensator. It **blocks rising steam** thanks to its cylinder-shaped reticular structure. It can be laid on **different types of screeds**, making it ideal for both indoor and outdoor use. The use of Floortec is often accompanied by the Foiltec membrane to ensure adequate waterproofing.

FLOORTEC

PRODUCT DESCRIPTION



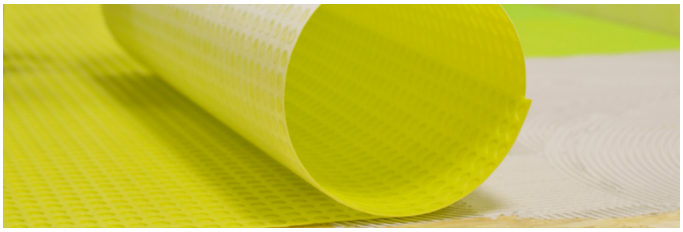
"Floortec membrane is made of high-density polyethylene, laminated with Spunbond-type nonwoven fabric (TNT) on the underside.
The geometric configuration of the membrane consists of circular cavities of 3 mm in height arranged with constant horizontal and vertical pitch. This particular texture, which is obtained through an exclusive production process, allows to increase the adhesion strength of the cement glue between the membrane and the tile.
In addition, the translucent color has been specially designed to allow continuous monitoring of the underlying adhesive."



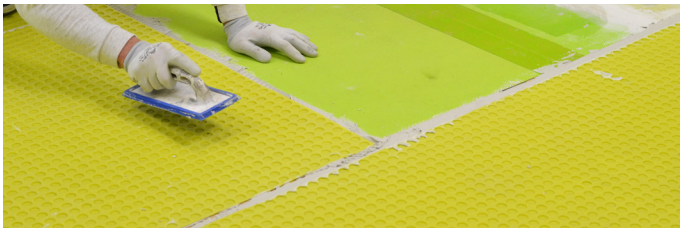
The product is supplied in rolls of 30 meters with instructions for use and ready to use.

INSTALLATION

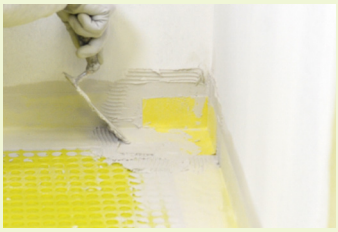
1. Cut Floortec membrane to fit area. Spread thin-set adhesive to substrate using a ¼" x ¼" - 6 x 6 mm square notch trowel.



2. Roll out Floortec into adhesive and compress using rubber or wood float.

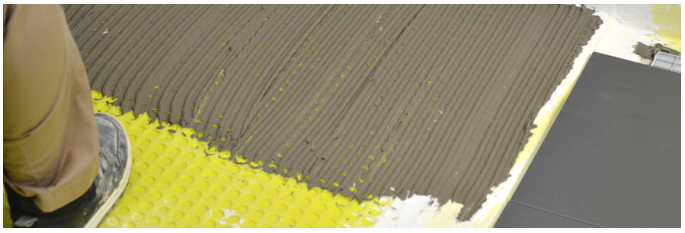


3. Press to fix properly the membrane.

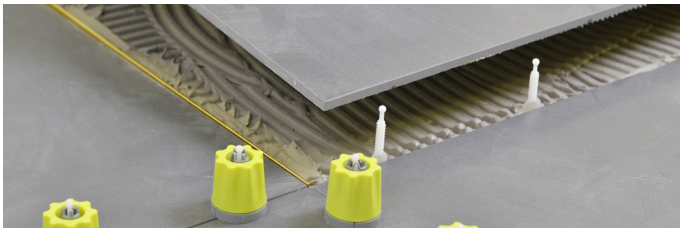


Waterproofing

4. Apply 6" - 150mm Foiltec waterproofing strip over Floortec seams and all floor to wall connections using thin-set adhesive applied with a ¼" x 3/16" - 6 x 4 mm v notch trowel.



5. Apply tile to surface of Floortec using appropriately-sized notch trowel being sure to fill the circular surface cavities.



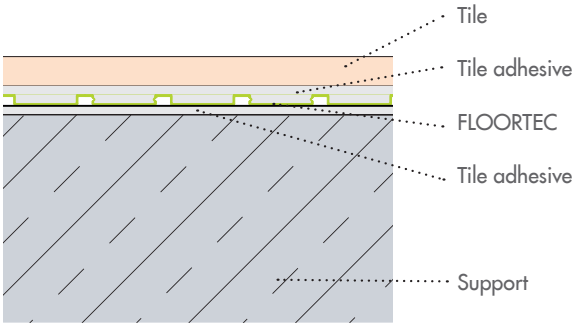
6. Laying the floor. The size of the tiles, exclusively laid with the "full bed" technique, must be at least 1-31/32" x 1-31/32" - 50 x 50 mm. C2 type adhesive is recommended with a cement type subfloor.

TECHNICAL FEATURES - FLOORTEC

CODE

Article	Height (mm)	Description	roll	rot/pallet
FLOORTEC	3	Uncloupling membrane in virgin polyethylene (PE HD)	1	12

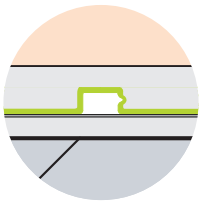
TECHNICAL DRAWINGS



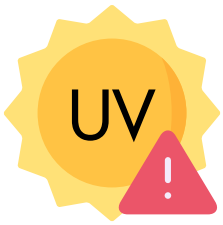
Certifications	
Robinson Wheel test grade 14 (Extra-heavy commercial)	ASTM C627
Meets or exceeds	ANSI A118.12
Meets or exceeds	ANSI A118.10

TECHNICAL FEATURES

FLOORTEC: Unclouping membrane	
TECHNICAL FEATURES	
Central layer of the membrane	Virgin polyethylene (PE HD)
Color of the membrane	Green Profilitec
Underlayer of the membrane	Spunbond non-woven fabric
Color of the non-woven fabric	White
Total surface density	about 700 g/m2 (+/- 50 g) EN ISO 9864
Thickness at 2 kPa	3,25 mm (+/- 1 mm) EN ISO 9863-1
Tensile strength MD/CMD kN/m	8,8 (+/- 2 kN/m) EN ISO 10319
Elongation with maximum load MD/CMD	33% (+/-3) EN ISO 10319
Tensile strength test	0,4 N/mm^2 (+0.1/-0.2) EN 1348
Storage instructions	Protect the product from UV exposure
Format	Rolls of: 1,00 m x 30,00 m
Pallet	Rolls pieces: 12 (360 m2) / Pallet
Additional characteristics	- Inert to water - Resistant to a wide range of chemical products - Resistant to fungi and bacteria - Resistant to root penetration Test: L - Longitudinal / T - Transversal Test Method: MD - Machine Direction / CMD - Cross Machine Direction

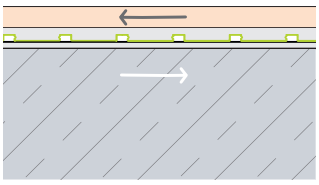


The geometry of the membrane is specifically designed to promote mechanical adhesion of the glue.



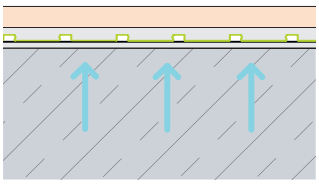
During on-site storage, it is important to avoid long exposure to sunlight.

MEMBRANE FUNCTIONS



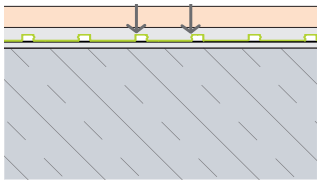
TENSION COMPENSATION

It offsets stresses and movements between the support structure and the flooring, trying to avoid any sagging or cracking of the tiles.



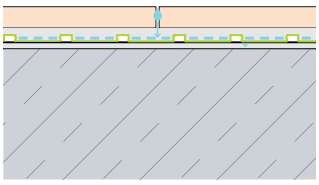
VAPOR MANAGEMENT

Management of rising moisture in the case of laying on a cement screed, which allows the floor to be laid without waiting for the normal curing time of the concrete (28 days), allowing the damp to escape through the gaps between the waterproof membrane and the non-woven fabric.



LOAD RESISTANCE

The adhesive, penetrating into the circular cavities, forms a solid columnar support structure that allows the membrane to reach grade 14 (Extra-heavy commercial) of the Robinson Wheel test (the US TCNA test).



WATERPROOFING

"The membrane blocks any water infiltration on the upper layer, favoring the normal evaporation process. It thus protects the screed from water infiltration, thus preventing the formation of ice in very cold temperatures.
It cannot be used as primary waterproofing."