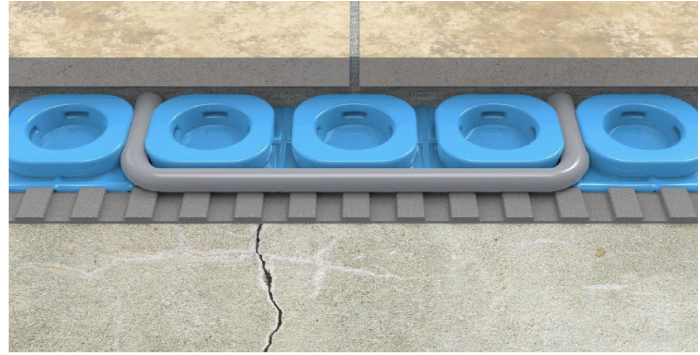
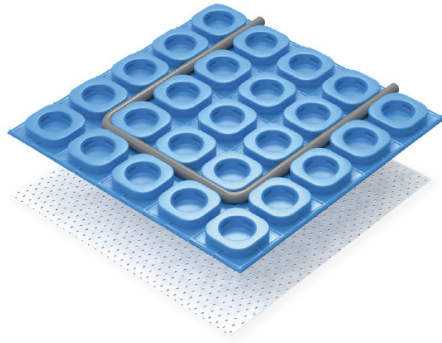


POLYETHYLENE Sheet

Non - woven  
POLYPROPYLENE  
fabric



## DESCRIPTION

**DrexProHeat 11** is a polyethylene membrane with rounded square shaped reliefs that form channels specially designed to embed and fasten the electric heating cables. On the back a non-woven polypropylene fabric is thermo-welded to ensures the membrane fixing to the support. The rounded square shaped reliefs, interconnected between them by small channels to ensure the vapour management, are equipped with circular cavities that transfer the loads from the flooring to the support. On the wall of each circular cavity there are four rectangular-shaped holes that guarantee a better mechanical grip of the adhesive, and then increase the flooring tensile strength. **DrexProHeat 11** is an uncoupling, waterproofing and vapour management membrane, with a thickness of 5.5 mm. It does not require expansion joints in the screed before laying ceramic and natural stone tiles. **DrexProHeat 11** ensures the flooring installation and the waterproofing on cracked and not perfectly cured substrates and therefore with possible vapor pressure also old tiles.

### A) Uncoupling

for support also sensible to moisture such as: 3. Press the membrane using a roller loaded **DrexProHeat 11** neutralizes the differential movement that arise between the support and the flooring preventing breakage, making it possible to install tiles on problematic supports such as wood and cracked substrates. Using **DrexProHeat 11**,

where movement joints are present in the subfloor, the membrane should be continuous across these junctions.

### B) Waterproofing

**DrexProHeat 11**, used with **FOILTEC 15**, waterproofing polyethylene tape covered on both sides with a non-woven fabric in polypropylene and **ADHESIVE CEMENT**, bi-component adhesive, guarantees the waterproofing of indoor environments in contact with water such as bathrooms, saunas and kitchens.

### C) Vapour management

The cavities below the rounded square reliefs and the interconnected channels between them of **DrexProHeat 11**, guarantee the flow of the vapor pressure generated by the evaporation of the residual water into the substrate, making it possible to install the membrane even on substrates not perfectly cured.

### D) Load distribution

The circular cavities of the rounded square reliefs of **DrexProHeat 11** transfer loads to the support preventing problems to the installed flooring

## AREAS OF USE

Uncoupling and waterproofing membrane for support also sensible to moisture such as:

- Wooden flooring
- Gypsum based and cement based screed
- Not perfectly cured and cracked screed
- Old ceramic and natural stone floorings
- Concrete non perfectly cured
- Wooden structure
- Floor heating systems.

Very resistant to saline solutions, acids and alkalis, alcohol and oils.

Note: For further information contact the technical department

## DO NOT USE

On bituminous coverings, to waterproof outdoor, on highly flammable material as expected by building norms and on lightweight screeds.

## WARNINGS

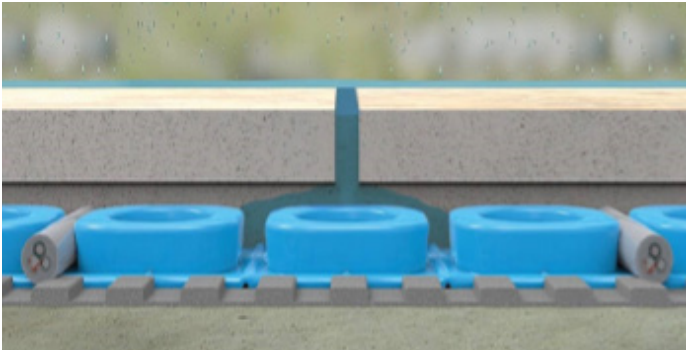
For a correct product application, observe the indications of the installation manual and the documentation included in the package.

## INSTALLATION INSTRUCTIONS

The substrate must be ready to bear weight, solid, flat and free from all substances like oil and grease that could compromise the adhesion of **DrexProHeat 11**.

1. Cut **DrexProHeat 11** to the desired length and using a 6 x 6 notched trowel apply a C2TES1 adhesive on the screed; in case of different substrates use a suitable adhesive.
2. Apply the membrane, previously cutted, into the wet adhesive





3. Press the membrane using a roller loaded with about 15 / 20 kilos and lift the **DrexProHeat 11** checking for full coverage; if full coverage is not achieved check the adhesive mix ratio and trowel size.

4. Install the next roll of **DrexProHeat 11** taking care to align it with the previous one, without overlapping. Align the square reliefs. In case of frequent walking, protect the membrane against damage or detachment from the support; it is recommended to use walking boards.

Warning: To waterproof indoor environments, after the membrane installation, do the following. **DrexProHeat 11** is not a waterproofing membrane; to get a proper waterproofing for indoor environments, after installation of the heating cable, you have to do the following:

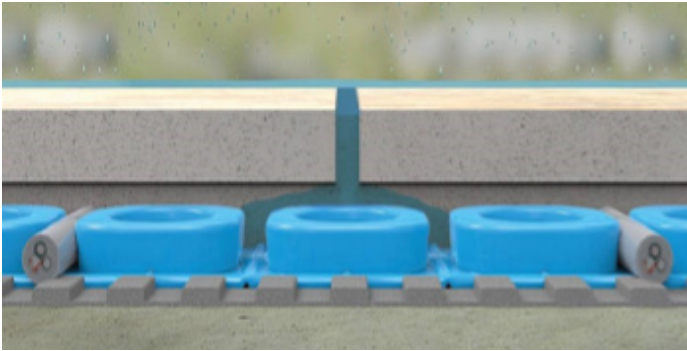


**WARNING**

5. Apply **ADHESIVE CEMENT**, a bi-component adhesive, along the joints between two adjacent sheets using the flat side of the trowel, to a width of about 20 cm. Fill the cavities of the membrane, leaving a thin layer of adhesive on top of the reliefs.

6. Place **FOILTEC 15** on **ADHESIVE CEMENT AB** following the joint. Apply strong pressure and smooth **FOILTEC 15** to ensure the adhesion, preventing creases.





7. Apply **ADHESIVE CEMENT**, a bi-component adhesive, on the membrane, with the flat side of the notched trowel, for a width of about 10 cm. Take care to fill the cavities of

the membrane and to leave a thin layer of adhesive on top of the reliefs. Apply the adhesive on the wall using a 3 x 3 mm notched trowel for a height of about 10 cm

8. Place **FOILTEC 15** on **ADHESIVE CEMENT AB** following the joint. Apply strong pressure and smooth **FOILTEC 15** to ensure the adhesion, preventing creases.

**WARNING**

In case of non-absorbent wall supports, use **SILICONE FIX** to glue **FOILTEC 15**



9. Using a C2TES1 adhesive and the flat side of the trowel fill the cavities of the membrane.

10. Apply the same adhesive, onto the wet one, using a notched trowel according to the tile size.



11. Apply adhesive on the back of the tiles using a 3 x 3 mm notched trowel to guarantee the full coverage and a thickness above the heating cable of at least 5 mm.

**WARNING**

Remove some tiles and verify the back coverage. If full back coverage is not achieved, apply more adhesive.





Delivery and installation of uncoupling, waterproofing and vapour management polyethylene membrane provided on the back with a non-woven thermo-welded polypropylene fabric that ensures its fixing to the support. The rounded square shaped reliefs, interconnected between them to ensure the vapour management, are provided with circular cavities that transfer the loads from the flooring to the support. On the wall of each circular cavity there are four rectangular-shape holes that guarantee a better mechanical grip of the adhesive, like **Drex-ProHeat 11** of the Progress Profiles company.

PDESHG5 : Polyethylene membrane with non-woven thermo-welded polypropylene sheet.

**TECHNICAL DATA**

Appearance	Polimeric membrane	
Colour	White / Cyan blue	
Shelf life	24 Months in dry environment avoiding direct sunlight and heat sources	
Total thickness	≈ 5,5 mm	EN 1849 - 2
Width	1 m	
Weight of non-woven PP	70g/ m2 EN 1849 - 2	
Weight of PP sheet	700g / m2	EN 1849 - 2
Rounded square shaped reliefs number	1024 m2	

**PERFORMANCE HIGH – TECH**

Compressive strength	600 KN/ m2 (60 t / m2)	
Longitudinal breaking load	620 N/ 50 mm	EN 12311-1
Transversal breaking load	550 N/ 50 mm	EN 12311-1
Longitudinal ultimate elongation	≈ 50 % EN 12311-1	
Transversal ultimate elongation	≈ 50 % EN 12311-1	
Crack – Bridging Ability	≥ 1 mm	
Air volume for vapor management	2,2 l/ m2	
Working temperature range	- 40° C/ +80° C	

