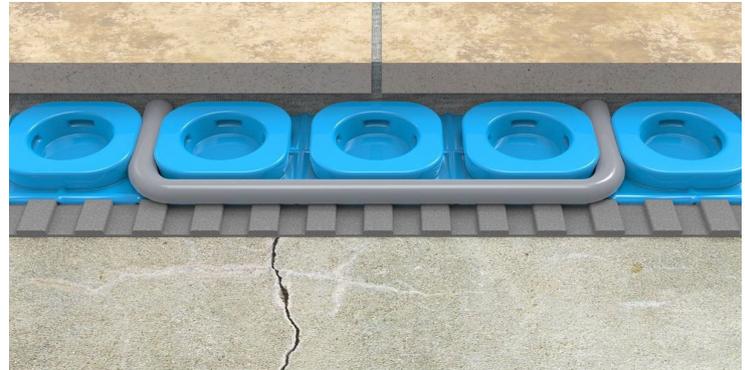
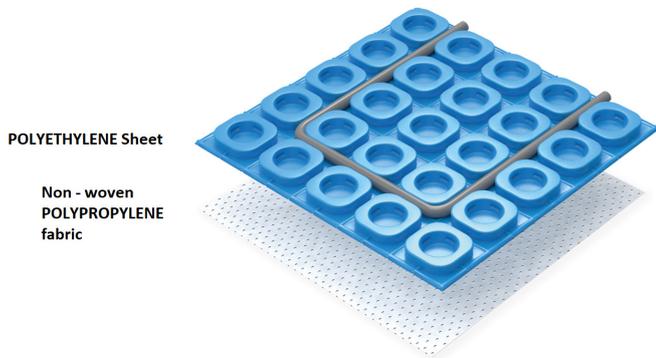




PRODESO HEAT GRIP 5



DESCRIPTION

PRODESO HEAT GRIP 5 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-shape holes that guarantee a better mechanical grip of the adhesive, and then increase the flooring tensile strength.

PRODESO HEAT GRIP 5 is an uncoupling, waterproofing and vapour management membrane, with a thickness of 5.5 mm. It does not require expansion joints in the creed before laying ceramic and natural stone tiles.

PRODESO HEAT GRIP 5 ensures the flooring installation and the waterproofing on cracked and not perfectly cured substrates and therefore with possible vapor pressure also old tiles.

PRODUCT PLUS AND FUNCTIONS

Uncoupling

PRODESO HEAT GRIP 5 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 **PRODESO HEAT GRIP 5**, where movement joints are present in the subfloor, the membrane should be continuous across these junctions.

Waterproofing

PRODESO HEAT GRIP 5, used with **PROBAND 150**, waterproofing polyethylene tape covered on both sides with a non-woven fabric in polypropylene and **PROBAND KOLL AB**, bi-component adhesive, guarantees the waterproofing of indoor environments in contact with water such as bathrooms, saunas and kitchens.

Vapour management

The cavities below the rounded square reliefs and the interconnected channels between them of **PRODESO HEAT GRIP 5**, 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.

Load distribution

The circular cavities of the rounded square reliefs of **PRODESO HEAT GRIP 5** transfer loads to the support preventing problems to the installed flooring.

AREAS OF USE

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

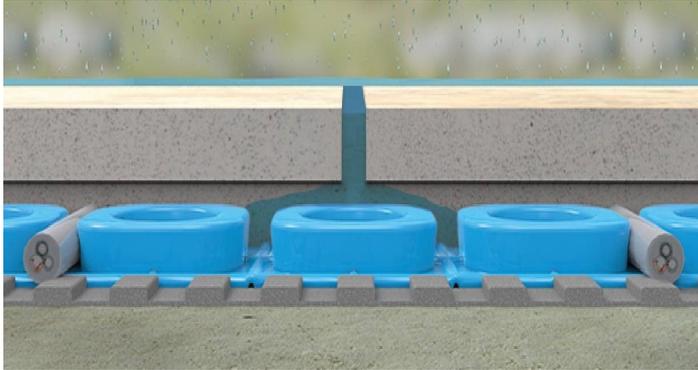
The substrate must be ready to bear weight, solid, flat and free from all substances like oil and grease that could compromise the adhesion of **PRODESO HEAT GRIP 5**.

1. Cut **PRODESO HEAT GRIP 5** 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 **PRODESO HEAT GRIP 5** checking for full coverage; if full coverage is not achieved check the adhesive mix ratio and trowel size.
4. Install the next roll of **PRODESO HEAT GRIP 5** taking care to align it with the previous one, without overlapping. Align the square reliefs.

In case of frequent walking, protect the mem-



PRODESO HEAT GRIP 5



brane 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:



Warning: PRODESO HEAT GRIP 5 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:

5. Apply **PROBAND KOLL AB**, 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 **PROBAND 150** on **PROBAND KOLL AB** following the joint. Apply strong pressure and smooth **PROBAND 150** to ensure the adhesion, preventing creases.

7. Apply **PROBAND KOLL AB**, 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 **PROBAND 150** on **PROBAND KOLL AB** following the joint. Apply strong pressure and smooth **PROBAND 150** to ensure the adhesion, preventing creases.

Warning: In case of non-absorbent wall supports, use **PROBAND FIX** to glue **PROBAND 150**

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.





PRODESO HEAT GRIP 5



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.



TEXT TEMPLATE FOR TENDERS

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 PRODESO HEAT GRIP 5 of the Progress Profiles company.

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

Roll length : _____ mt
 Roll height : _____ mt
 Material : _____ €/mt
 Application : _____ €/mt
 Total value : _____ €/mt



PRODESO HEAT GRIP 5



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	≈ 70 g / m ²	EN 1849 - 2
Weight of PP sheet	≈ 700 g / m ²	EN 1849 - 2
Rounded square shaped reliefs number	≈ 1024 m ²	
Compressive strength	≈ 600 KN / m ² (60 t / m ²)	
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 lt / m ²	
Working temperature range	- 40° C / +80° C	