



PRODESO



DESCRIPTION

PRODESO is a low density polyethylene membrane provided with pyramidal cavities with round bases. On the back side it is provided with a non-woven thermo-welded polypropylene fabric that guarantees the adhesion with the adhesive. On top the membrane is provided with non-woven thermo-welded polypropylene fabric that perfectly adheres to its surface and guarantees the tiles adhesion with adhesive.

PRODESO is a draining and uncoupling membrane, with a thickness of 3.5 mm, which does not require expansion joints in the screed before the installation of ceramic and natural stones.

PRODESO ensures the laying of every flooring and the waterproofing also in the case of cracked and not perfectly cured substrates and therefore with possible vapour pressure and in the case of old tiles.

FUNCTIONS

1- Uncoupling

PRODESO neutralizes the differential movement that arise between the support and the flooring preventing breakage; therefore it is possible to lay tiles also on problematic supports such as wood and cracked substrates.

B) Waterproofing

PRODESO, used with **PROBAND 150**, a waterproofing polyethylene tape covered on both sides with a non-woven fabric in polypropylene and **PROBAND KOLL / PROBAND KOLL AB**, guarantees the water-

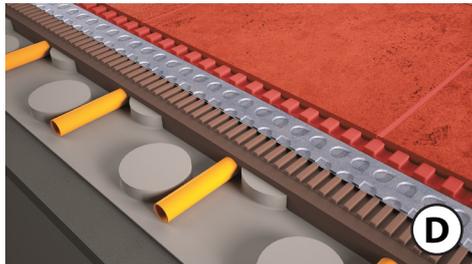
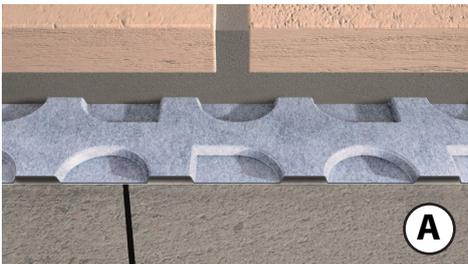
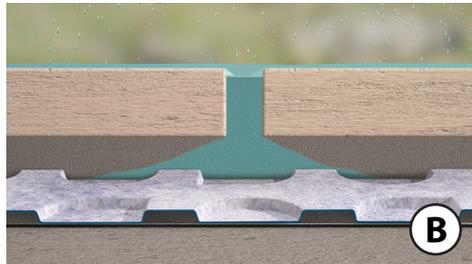
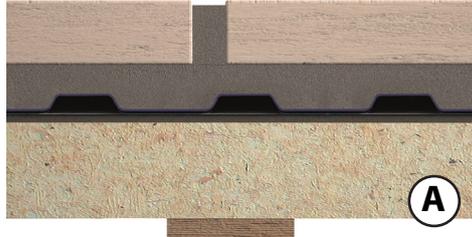
proofing of terraces, balconies and indoor environments that may come in contact with water such as bathrooms, saunas and kitchens.

C) Vapour management

The **PRODESO** interconnected channels guarantee the flow of the vapor pressure generated by the evaporation of the residual water into the substrate. Therefore it is possible to lay **PRODESO** even on substrates not perfectly cured.

D) Heat distribution

The **PRODESO** interconnected channels guarantee, in the case of floor heating, especially when the screed has a low thickness, a more uniform heat distribution.





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AREAS OF USE

Use

Uncoupling and waterproofing membrane for cracked and not perfectly cured screed. It can be installed on cement based screed, old ceramic and natural stone floorings, not perfectly cured screed and wood substrates. Very resistant to saline solutions, acids and alkalis, alcohol and oils. In case of particular products, contact our technical department.

Do not use

PRODESO is not a walkable waterproof surface. It cannot be used on bituminous coverings and/or lightweight screed unsuitable for tiling. Do not use adhesives containing solvents.

WARNINGS

During the summer time **PRODESO** must be unrolled under the sun before the installation. For the **PRODESO** application use **PROMEMBRANE KOLL**. Apply the tiles immediately after the application of **PRODESO** to avoid exposure to sunlight. Once installed, the membrane must be protected against heavy mechanical loads to avoid damage. It is advisable to place running boards to protect the membrane. For information not explained in the technical details, please contact our technical department.

sheets of **PRODESO** with the flat side of the notched trowel, for a width of about 20 cm. Take care to fill the cavities of the membrane and to leave a thin layer of adhesive on top of the reliefs.

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

7. Apply **PROBAND KOLL** / **PROBAND KOLL AB** on the membrane using 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 wall for a height of about 10 cm.

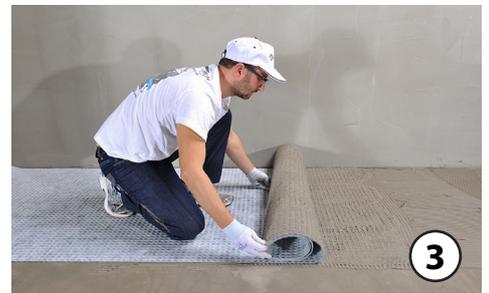
8. Place **PROBAND 150** on **PROBAND KOLL** / **PROBAND KOLL AB** following the joint. Apply strong pressure and smooth **PROBAND 150** to ensure the adhesion, preventing creases.

Warning: Protect the membrane from meteoric precipitation for 24 hours after installation. If rain it is necessary to remove the water from the circular cavity before applying the flooring. In the case of wall bituminous membrane, apply the adhesive strip **PROBAND BU** before the laying of **PROBAND 150**.

After the **PRODESO** application, the flooring can be laid immediately.

INSTALLATION INSTRUCTIONS

1. Cut **PRODESO** to the desired length and with a 7 X 5 notched trowel apply **PROMEMBRANE KOLL** on the screed; in case of different support use a suitable adhesive.
2. Apply **PRODESO** on the wet adhesive and press the membrane using a plastic trowel.
3. Check the back wetting of **PRODESO**. In case of non-complete wetting, increase the quantity of adhesive.
4. Lay the next sheet of **PRODESO** taking care to align it with the previous one, without overlapping.
5. Apply **PROBAND KOLL** / **PROBAND KOLL AB** along the joint between two adjacent





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TEXT TEMPLATE FOR TENDERS

Delivery and installation of low-density polyethylene membrane provided with pyramidal cavities with round bases. On the back side it is provided with a non-woven thermo-welded polypropylene fabric that guarantees the adhesion with the adhesive. On top the membrane is provided with non-woven thermo-welded polypropylene fabric that perfectly adheres to its surface and guarantees the tiles adhesion with adhesive, like PRODESO of the Progress Profiles company.

PDES : Polyethylene membrane provided on both sides with a non-woven thermo-welded polypropylene fabric.

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

- 9. Apply a C2 adhesive on the membrane using the flat side of the notched trowel taking care to fill the circular cavities.
- 10. Apply a C2 adhesive on the membrane with a notched trowel suitable with the size of the tiles and tiling.

TECHNICAL DATA

Appearance	Polymeric membrane	
Colour	White / Cyan blue	
Shelf life 24	Months in dry environment avoiding direct sunlight and heat sources	
Total thickness	≈ 3,5 mm	EN 1849 - 2
Width	≈ 1 m	
Weight of PP sheet	≈ 160 g / m ²	EN 1849 - 2
Weight of LDPE sheet	≈ 400 g / m ²	EN 1849 - 2
Cavities number	≈ 2500 g / m ²	

PERFORMANCE HIGH - TECH

Longitudinal breaking load	≈ 490 N / 50 mm	EN 12311-1
Transversal breaking load	≈ 370 N / 50 mm	EN 12311-1
Longitudinal ultimate elongation	≈ 60 %	EN 12311-1
Transversal ultimate elongation	≈ 64 %	EN 12311-1
Channel volume	≈ 1,02 lt / m ²	
Crack - Bridgin Ability	≥ 1,5 mm	
Thermal resistance	0,035 m ² K ^o /W	UNI EN 12664
Working temperature	- 40° C / +80° C	