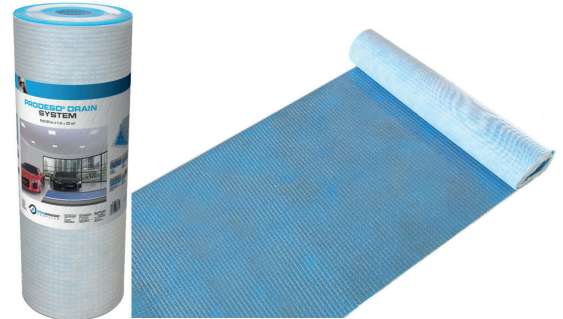
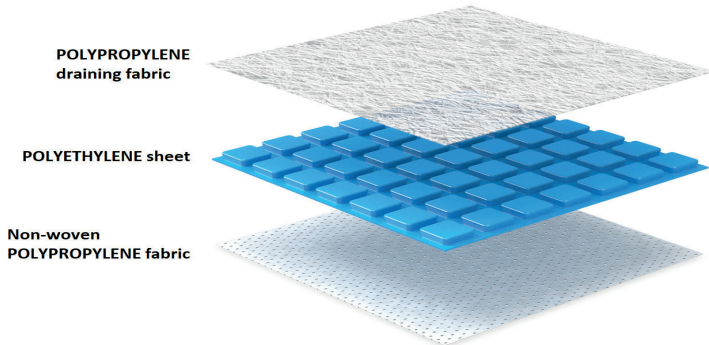




PRODESO DRAIN 4



DESCRIPTION

PRODESO DRAIN 4 is a draining, uncoupling membrane that allows the heat distribution, composed of a high-density polyethylene (HDPE) sheet, a non-woven polypropylene fabric permeable to water and a polypropylene non-woven fabric. The cyan polyethylene sheet, 4 mm in height, is equipped with square studs, on which a water-permeable non-woven polypropylene fabric is thermo-welded. Below, the membrane is completed with a polypropylene non-woven fabric, that ensures the membrane gluing to the support.

PRODESO DRAIN 4 is a draining and uncoupling membrane that guarantees the vapour management and the heat distribution. Using **PRODESO DRAIN 4** it is possible to go over the expansion joints in the screed before the installation of ceramic and natural stones.

PRODESO DRAIN 4 guarantees the flooring installation even on old flooring, cracked and not perfectly cured substrates and therefore with possible vapour pressure.

PRODUCT PLUS AND FUNCTIONS

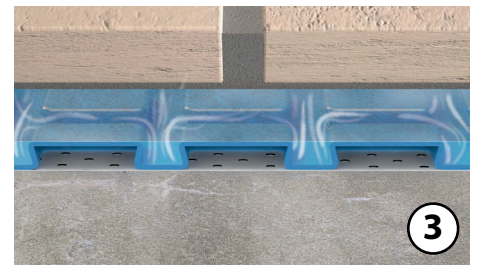
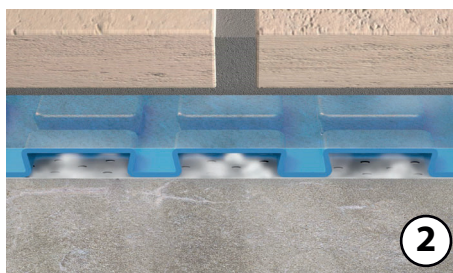
1) Uncoupling

PRODESO DRAIN 4 neutralizes the differential movement that arise between the substrate and the flooring preventing breakage to the above floor; thanks to that, it is possible to install tiles on cracked substrates and wood. Using **PRODESO DRAIN 4**, where movement joints are present in the subfloor, the membrane should be continuous across these junctions.



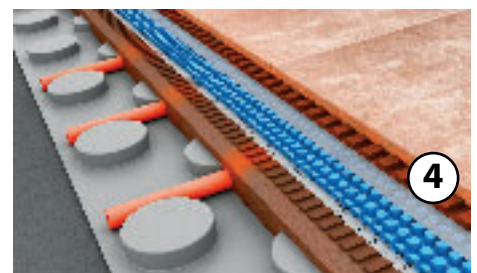
2) Vapour management

The cavities below the square studs of **PRODESO DRAIN 4** guarantee the vapour management generated by the evaporation of residual moisture into the support; thanks to that **PRODESO DRAIN 4** could also be applied on substrates not perfectly cured or able to absorb humidity such as wood.



4) Heat distribution

The air volume between the draining fabric and polyethylene sheet of **PRODESO DRAIN 4**, guarantee, with a floor heating, a more uniform heat distribution and a thermal inertia reduction.



3) Micro ventilation and draining

Thanks to the air volume between the draining fabric and polyethylene sheet of **PRODESO DRAIN 4**, the adhesive used for the floor installation dries much faster and the efflorescences, and migration of resins to the surface will no longer be visible.



PRODESO DRAIN 4

AREAS OF USE

Use

Under tile uncoupling and draining membrane for cracked substrates too. It can be laid on cement-based screed, old ceramic and natural stone floorings, concrete and wood substrates. Very resistant to saline, solutions, acids and Alkalies, alcohol and oils.

Note: For further information on other backgrounds and preparation, contact Progress Profiles technical advisory and specification service

Do not use

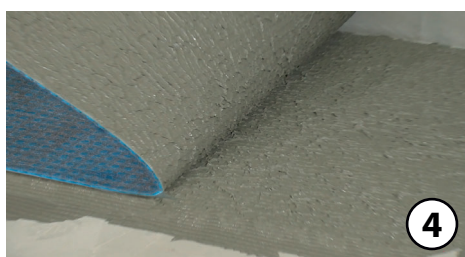
To waterproof outdoor, on bituminous coverings, on lightweight screeds where it is not suitable for flooring installation. With adhesives containing solvents.

WARNINGS

For the installation of **PRODESO DRAIN 4** use a C2ES1 adhesive. During installation, the membrane must be protected against heavy mechanical loads to avoid damage. It is advisable to place running boards to protect the membrane whilst working. For information not explained in the technical details, please contact Progress Profiles technical advisory and specification service.

INSTALLATION INSTRUCTIONS

1. Cut **PRODESO DRAIN 4** to the desired length
2. Using a 7 x 5 mm notched trowel apply use a C2ES1 adhesive on the substrate.
3. Place **PRODESO DRAIN 4** into the adhesive and press it using a pressure roller loaded with 25 kg.
4. Lift **PRODESO DRAIN 4** checking for full coverage; if full coverage is not achieved check the adhesive mix ratio and trowel size.
5. Install the next sheet of **PRODESO DRAIN 4** and place it next to the previous one without overlapping it.
6. Apply the adhesive on **PRODESO DRAIN 4** with a notched trowel suitable for the tile size and install the flooring.
7. Place expansion joints every 5 x 5 or 6 x 4 according with the European rule



TEXT TEMPLATE FOR TENDERS

Delivery and installation of draining, uncoupling membrane that allows the heat distribution, composed of a high-density polyethylene (HDPE) sheet, a non-woven polypropylene fabric permeable to water and a polypropylene non-woven fabric. The cyan polyethylene sheet, 4 mm in height, is equipped with square studs, on which a water-permeable non-woven polypropylene fabric is thermo-welded. Below, the membrane is completed with a polypropylene non-woven fabric, that ensures the membrane gluing to the support, like PRODESO DRAIN 4 of Progress Profiles company.

PDES DR 201/E : Polyethylene membrane with a thermo-welded polypropylene draining fabric and polypropylene fabric on the back side

Roll length : _____ lm
Roll height : _____ lm
Material : _____ €/lm
Installation : _____ €/lm
Total value : _____ €/lm



PRODESO DRAIN 4

TECHNICAL DATA

Appearance	Polymeric membrane
Colour	Grey / Cyan / White
Shelf life	24 Months in dry environment avoiding direct sunlight and heat sources
Total thickness	≈ 4 mm EN 1849 - 2
Roll wide	≈ 100 cm
Roll length	≈ 30 lm
Weight of polypropylene fabric	≈ 70 g / m ² EN 1849 - 2
Draining polypropylene weight	≈ 100 g / m ² EN 1849 - 2
Weight of polyethylene sheet	≈ 600 g / m ² EN 1849 - 2
Number of studs	≈ 3844 m ²
Maximum load allowed	≈ 10 Kg / cm ²
Thermal resistance	≈ 0,0818 m ² °K/W UNI - EN 12667