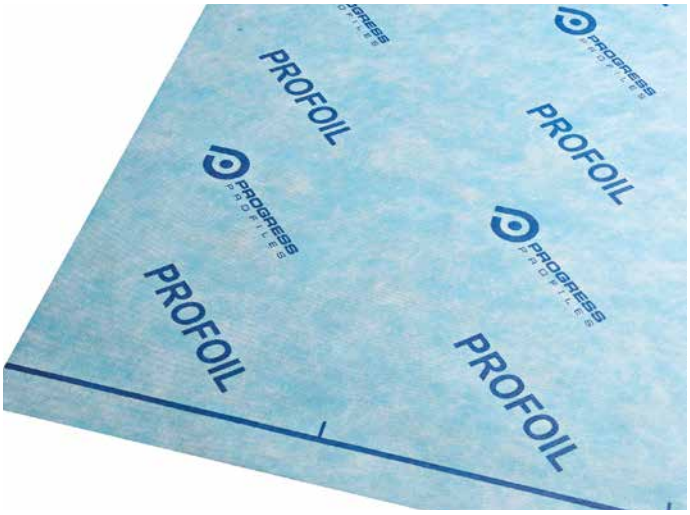
PROFOIL



DESCRIPTION

PROFOIL is a polyethylene membrane provided on both sides of a non-woven polypropylene sheets. The non-woven polypropylene sheets ensure the adhesion of the membrane to the substrate and the bonding of the ceramic and natural stone.

PROFOIL is a waterproofing membrane, with a thickness of 0.415 mm, that can also be used also in overlap on any floor and wall tiles.

PROFOIL guarantees waterproofing in environments that are in direct contact with water such as swimming pools, bathrooms and kitchens, and with high vapor pressure such as saunas and wellness centres.

PRODUCT PLUS AND FUNCTIONS

Waterproofing

PROFOIL, used together with **PROBAND 150**, a waterproofing polyethylene band provided of woven non-woven polypropylene fabric on both sides (that guarantees the adhesion) and with **PROBAND FIX**, one-component moisture curing sealant, ensures the waterproofing in environments where there is water in pressure, for example in pools and tanks.

a) Apply **PROBAND FIX** along the joints between the two adjacent sheets

b) Fix **PROBAND 150** to **PROBAND FIX** following the joint

c) Apply strong presure and smooth **PROBAND 150** to ensure sealing, avoiding the formation of folds.

AREAS OF USE

Use

Waterproofing of substrates and vertical structures before laying ceramic tiles and natural stone. Cement based screeds completely cured without cracks, ceramic tiled surfaces, preexisting natural stone anchored to the substrate, completely cured concrete and wooden substrates.
It provides high resistance to saline, acid and alkaline solutions, to alcohol and oils. For applications in areas where can be found particular substances please contact our technical department.

Don't use it

On bituminous coverings, to waterproof walkable surfaces and lightweight screeds. On terraces and balconies.

APPLICATION

1. Cut **PROFOIL** to the desired length. Using a notched trowel apply a suitable adhesive on the substrate.

2. Lay the **PROFOIL** sheet on the adhesive layer taking care to apply it on wall for at least 5 centimeters.

3. Using a smooth trowel press the membrane diagonally making sure that **PROFOIL** is properly wet. If it is partially wet increase the amount of adhesive.

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4. Lay the next sheet of PROFOIL taking care to overlap it to the previous one for at least 5 cm.

5. Using a notched trowel apply a suitable adhesive on the substrate.

6. Using a smooth trowel press the membrane diagonally.

7. Check the coverage of PROFOIL. In case of partial coverage, increase the quantity of adhesive.properly wet. If it is partially wet use more adhesive.

8. After the application of **PROFOIL**, when the adhesive allows the foot traffic, it is possible to lay the flooring.

9. Lay the tiles with an open joint of minimum 2 mm. in function of their size.

WARNINGS

To prevent damages to the membrane, we suggest to protect it when laying, using walking boards, from mechanical stresses. It is also necessary to protect it from direct sunlight.
For particular applications and for uses not already described in this sheet, please contact our technical department.

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TEXT TEMPLATE FOR TENDERS

Delivery and installation of waterproofing polyethylene membrane with a total thickness of 0.415 mm, provided with woven non-woven polypropylene sheets on both sides (that guarantee the adhesion), like PROFOIL of the company progress Profiles. Cut PROFOIL to the desired length. Using a notched trowel apply an adhesive suitable to the substrate. Lay the membrane and press it.

PFLO 0405: Width 1 mt, length 5 mt
PFLO 0430: Width 1 mt, length 30 mt

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

TECHNICAL DATA

Appearance	Polymeric composed sheet	
Color	Cyan	
Shelf life	24 months in a dry and cool place, avoiding exposure to direct sunlight and to heat sources	
Total thickness	≈ 415 µm	EN 1849 - 2
Width	≈ 1 m	
Weight of PP sheet	≈ 70 g / m^2	EN 1849 - 2
Weight of PE Sheet	≈ 140 g / m^2	EN 1849 - 2
Total weight	≈ 210 g / m^2	EN 1849 - 2

PERFORMANCE HIGH – TECH

Longitudinal breaking load	≈ 300 N / 50 mm	EN 12311-1
Transversal breaking load	≈ 190 N / 50 mm	EN 12311-1
Ultimate elongation	≈ 50 %	EN 12311-1
Crack – Bridgin Ability	≥ 1 mm	
Vapor permeability of the PP sheet	> 50 m	
Working temperature	- 40° C / +80° C	