

PROTECDRAIN FILTRE

PROTECDRAIN FILTRE is a bilayer structure made of a studded drainage sheet with a high-density polyethylene honeycomb structure, and a thermowelded nonwoven filter.

User application

PROTECDRAIN FILTRE must be used as protective layer for underground walls and foundations. It also improves drainage and allows air circulation between waterproofing membranes and the ground.

Maximum depth for use: 7 m

Characteristics

	PROTECDRAIN FILTRE	
Thickness (without geotextile)	0,6 mm	
Stud height	8 mm (± 1)	
Number of studs	about 1800/m ²	
Weight	560 g/m ² (± 5%)	
Résistance to compression at service	about 20 tonnes/m ² (200 kN/m ²)	
Maximum elongation	≥ 50 %	
Temperature stability	-30°C to +80°C	
Contact area	5500 cm ² /m ²	
Drain capacity (EN ISO 12958)	Gradient I = 0,1 0,48l (m.s) at 20 kPa 0,41l (m.s) at 50 kPa 0,32l (m.s) at 70 kPa	Gradient I = 1 1,8l (m.s) at 20 kPa 1,6l (m.s) at 50 kPa 1,4l (m.s) at 70 kPa
Colours	Brown side turned to the wall Geotextile side turned to the ground or under XPS panels	

Packaging

	PROTECDRAIN FILTRE	
Dimensions and rolls / pallet	12,5 m x 2,00 m (25 m ²)	11
Rolls must be stored upright on flat ground. Pallets may be stacked to a maximum height of two pallets with separating layer. During storage, protect the rolls against moisture. Do not exposed Protecdrain Filtre pallet more than 6 months to direct sunlight. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.		

Installation

Unroll, place and adjust **PROTECDRAIN FILTRE**, brown side turned to the wall and geotextile side turned to the ground.

Make sure that **PROTECDRAIN FILTRE** reach above the upper edge of the waterproofing and/or perimeter insulation.

Attach **PROTECDRAIN FILTRE** on the top with screws or nails:

25 cm space for 3 meters high

20 cm space for 5 meters high

15 cm space for 7 meters high

Longitudinal and transversal overlaps are made by attaching the next sheet so that it overlaps first sheet installed previously by about 10 cm.

Use **PROFIL PROTECDRAIN** (PVC profile) to cover the top of **PROTECDRAIN FILTRE** and improve waterproofing with an aesthetic protection.

Earthworks must be done carefully.

For more details, refer to specific technical information.

Special indications

Hygiene, health and environment:

The product does not contain any substance likely to be detrimental to health or to environment and complies with generally admitted Health and Safety Requirements.

For further information, please refer to relevant Safety Data Sheet.

Quality control:

SOPREMA has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the Quality and Environment certified **ISO 9001** and **ISO 14001**.