

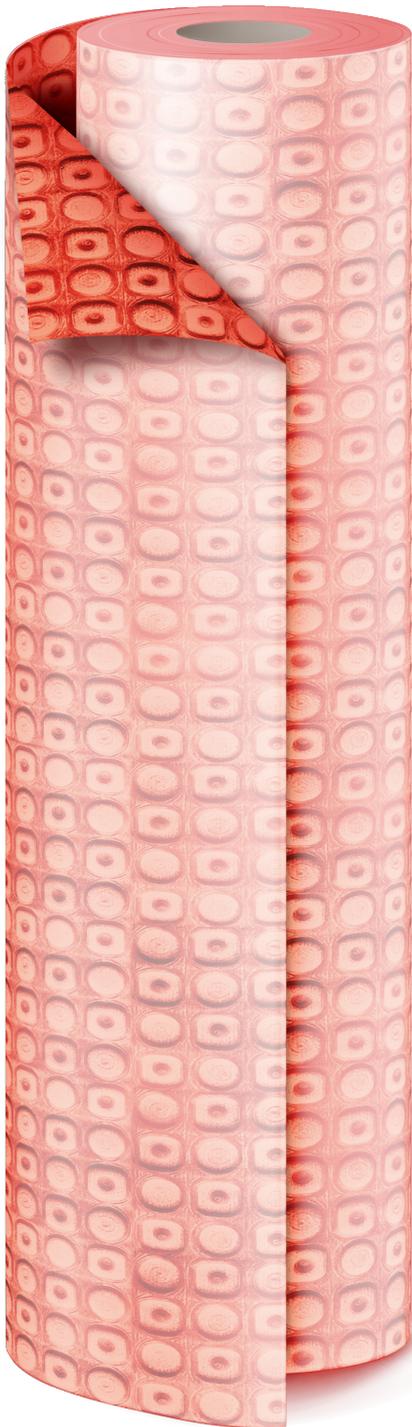
STRATO

MEMBRANE



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Technical Data Sheet Decoupling Membrane



Decoupling / Waterproofing / Draining

STRATO MEMBRANE is a disconnecting solution that provides an unobtrusive protective layer to avoid potential cracks and maintain a waterproof seal. The HDPE dimpled membrane layer, with the roughened surface and a spunbonded polypropylene fabric, reduce tensions created by changes in the substrate to protect against cracks; suitable for both indoor and outdoor areas. The mat can be applied directly onto screed not requiring a 28 day curing period allowing for quick installations, and is designed with both Underfloor Heating and a variety of substrate applications in mind.

Installation

Before laying STRATO MEMBRANE, the old substrate must be demolished and a new clean flat substrate installed.

Inserting **STRATO MEMBRANE** does not eliminate the need for expansion and perimeter joints, for which it is necessary to follow the instructions in the standard UNI 11493-1.

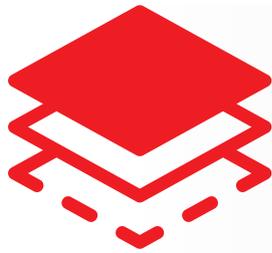
Disconnecting Function

01. Adhesive must be used to lay **STRATO MEMBRANE** over the substrate, using a notched trowel.
02. **STRATO MEMBRANE** must be laid over the designated area, with the spunbonded cladded side facing down. **STRATO MEMBRANE** must then be pressed down into adhesive with the aid of a float, applying pressure to prevent the creation of air pockets. **STRATO MEMBRANE** must then be covered with another layer of class C2 (or greater) cementitious adhesive. The tiles can then be laid without waiting for it to dry, using a notched trowel of dimensions appropriate for the size of the tiles to be laid.

Then proceed with point 7-8

Waterproofing Function

03. Other measures are required during the laying stage to provide the additional waterproofing function. After laying **STRATO MEMBRANE**, it is necessary to seal the joints between the adjacent sheets with adhesive, spreading it with the smooth side of the notched trowel.
04. Then **STRATO BAND** must be applied.
05. The same procedure must be followed for the perimeter waterproofing, then adhesive is applied.
06. Then **STRATO BAND** must be laid. At the joint, **STRATO BAND** must overlap it by at least 50 mm. The same procedure must be used for the perimeter joints, using **STRATO BAND** centred in the floor / wall connection with adhesive.
(For outdoor applications in particular, it is important to lay the cladding over the entire area, in compliance with the current reference standard 11493-1)
07. Then the class C2 (or greater) cementitious adhesive must be spread followed by the laying of the finishing product
08. The plinth/skirting board must be kept detached from the floor, the remaining gap must be sealed with elastic material (silicone or perimeter joint profile).



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Physical Values	Standard	Value	Tolerance
Weight	DIN EN ISO 9864	570 g/m ²	± 50 g/m ²
Thickness at 2 kPa	DIN EN ISO 9863-1	3.25 mm	± 1 mm
Tensile strength MD/CMD	DIN EN ISO 10319	8/8 kN/m	- 2 kN/m
Elongation at max load MD/CMD	DIN EN ISO 10319	33%	- 3 %
Pull out (28 days, cement glue, room temp)	DIN EN 1348	0.25 N/mm ²	± 0.15 N/ mm ²



Technical Specifications

Mat thickness: approx. 3 mm

Material: Plastic HDPE

Weight: approx. 570 g/m²

Roll width: 1 m

Roll length: 30 m

All information is approximate.

Since we can not assume liability for special applications, a corresponding suitability test must always be carried out by the customer.

Sizes

STEM30 1 m width x 30 m length

STEM10 1 m width x 10 m length

STEM05 1 m width x 5 m length

Packing Unit

Pieces = 1 roll, pallet = 12 rolls

Application & Substrates

Suitable for installation in damp and wet rooms, indoors and outdoors. Processing within 24 months from date of shipment.

- Concrete Screed (Anhydrite)
- Calcium Sulphate Screed
- Heating Screed
- Poured Asphalt
- Concrete
- Resin and Coated Floors
- Chipboards and Pressed Sheets
- Wooden Floors

Specifications

- Quick and easy installation
- Maximum protection for tiling
- Ideal for new build and renovation projects
- Protects tiling against cracking
- High shear elasticity

Storage and Transport

The **STRATO MEMBRANE** should be protected against external impact and abrasion during transportation

Recycling

STRATO MEMBRANE can be disposed with PVC recycling

Special Note

Imagery and instructions provided are not binding and are supplied as guidance only. We do not accept liability for errors, misprints or technical developments – printing and illustration defects may occur. Reprinted or imitation materials related to **STRATO MEMBRANE** are not permitted.