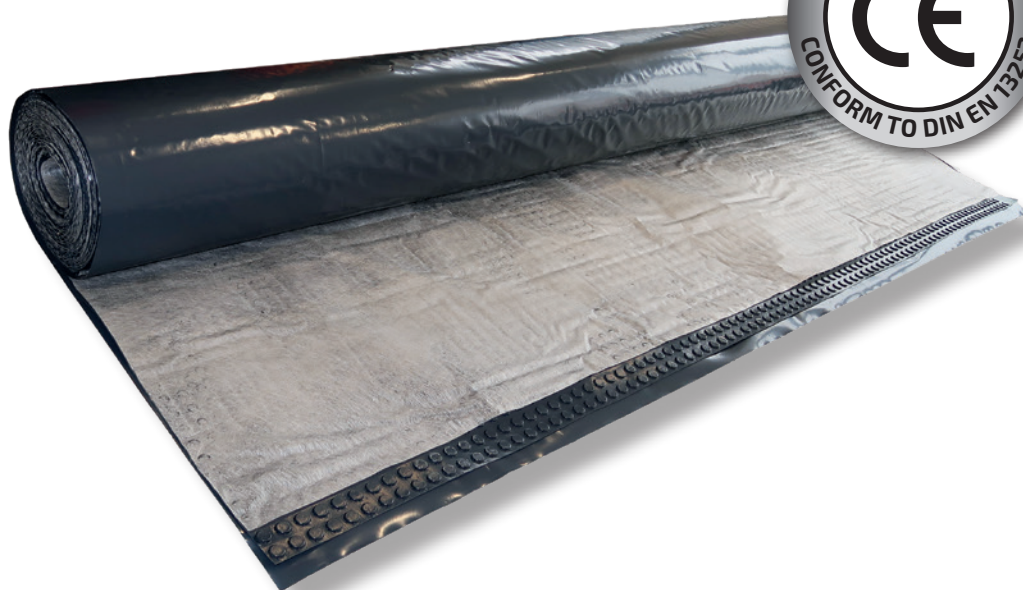


PM XS3-GEOTEX



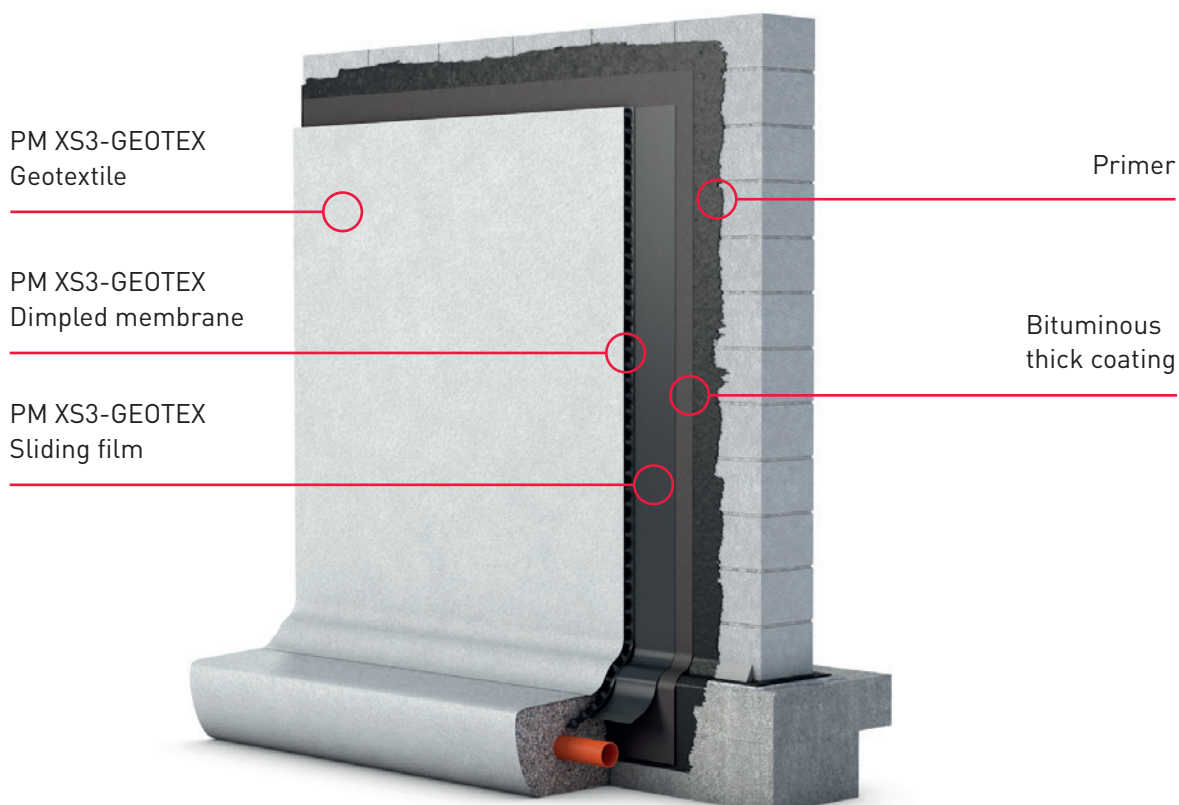
The three-layer PM XS3-GEOTEX protection and drainage system is a high-quality, especially flat addition to PMBC polymer-modified bituminous thick coatings for outer cellar walls. Thick coatings act as a permanent sealing, filling in cracks and joints, but for backfilling or subsequent soil settling, they can be extremely sensitive to impacts and pressure. The result: elaborate time-intensive and thus cost-intensive safeguarding work for the backfilling process and the risk of later complaints. The PM XS3-GEOTEX solution gives you a complete multi-layer protection and drainage system for earth-contacting structures fitted with bituminous thick coatings or other sealants. PM XS3-GEOTEX consists of a dimpled membrane, a sturdy geotextile and a rear-side sliding film. The sliding film distributes the effective earth pressure and acts as a sliding surface in case of any settling of the filling soil. The protective effect meets the requirements of DIN 18533. Its good water draining capacity is about twice as high as the requirements of the drainage standard DIN 4095. PM XS3-GEOTEX has a compressive strength of 320 kN/m². The drainage membrane is available in many different length and width variations. PM XS3-GEOTEX protects outer cellar walls very securely against waterlogging. The moisture penetrates the geotextile and enters the ducts of the dimpled membrane, where it is securely drained. In the process, the geotextile acts as a filter and prevents the ducts from getting clogged up.

Technical Data

Material	HDPE
Sliding film	LDPE approx. 200 µm
Geotextile	polypropylene
Dimple height	approx. 4 mm
Total weight	approx. 580 g/m ²
Number of dimples	approx. 2,500 dimples/m ²
Compressive strength	approx. 320 kN/m ² = 32 t/m ²
Colour	black
Water flow capacity in the plane, rigid – soft, i = 1.0 rigid – soft, i = 0.01 rigid – soft, i = 0.02 rigid – soft, i = 0.03	approx. 0.61 l/s-m at 20 kPa approx. 0.02 l/s-m at 20 kPa approx. 0.04 l/s-m at 20 kPa approx. 0.06 l/s-m at 20 kPa
Roll width	0.5 / 0.75 / 1.0 / 1.5 / 2.0 / 2.5 m
Roll length	15 m (Additional lengths on request)
Temperature resistance	–30 °C to +80 °C
Biolog. properties	resistant to bacteria and fungi, rot-resistant, root-proof
Physiolog. properties	safe for drinking water
Fire behaviour	class E

For more information, visit www.pmi-plast.de

INSTALLATION INSTRUCTIONS



Vertical installation

If installed vertically, the width of the PM XS3-GEOTEX dimpled membrane must be adjusted to the sealing height: Up to a height of 1.90 m, the 2 m wide membrane is unrolled on the wall, up to a height of 2.40 m the 2.50 m wide membrane; for all other heights, both membrane widths can be used.

The membranes are cut diagonally to the roll to the correct length and laid lengthwise from top to bottom: The geotextile always faces outwards – towards the ground. It is important to ensure that the sides of the individual membranes overlap while lifting the non-woven fabric accordingly.

At corners, it is recommended to fold the membrane along the edge line prior to installation. The upper edges of the membranes must be about 15 cm above the sealing at all times. The membrane is first attached temporarily (e.g. with wooden battens) because the drainage membrane is held by the pressure of the earth after backfilling. The final membrane is finally overlapped with the starting membrane over a width of at least 30 cm. The lower end rests on the circumferential drainage. The circumferential drainage is enclosed with at least 15 cm of filter-stable material. After backfilling, simply cut off the membrane at the top edge of the soil.

Accessories:

PM MOUNTING BUTTON with specially hardened steel nails | PM EDGE FINISHING PROFILE made of plastic or metal in black or brown | PM BUTYL ADHESIVE TAPE | PM POWER FIX cartridge adhesive