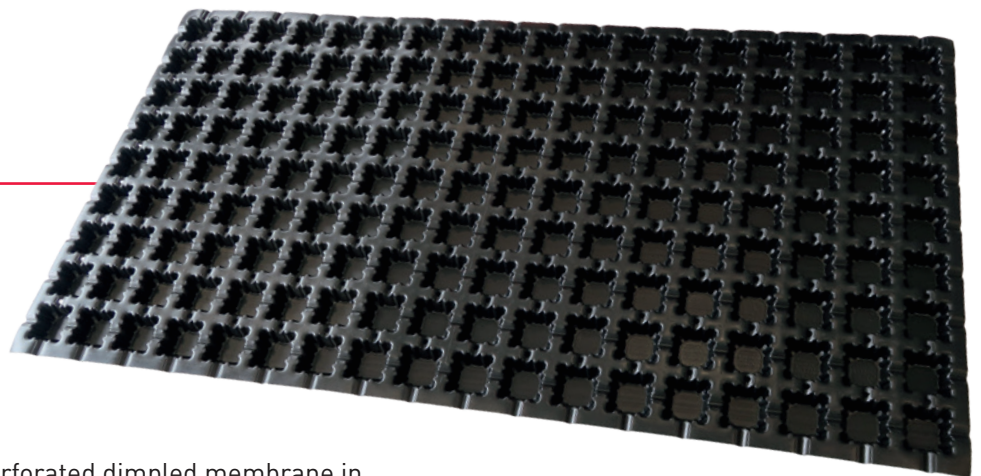


PM P-60 200



PM P-60 200 is a water-storing, perforated dimpled membrane in sheet form and is recommendable as an ideal solution for intensive roof greening. Compared to conventional green roof products, it offers many times the drainage and water storage capacity and assumes the function of an extremely high-performance drainage and water storage layer in intensive green roofs.

The 60 mm high dimples have a water storage capacity of approx. 20 l/m². This allows the optimal installation of green areas designed to do without irrigation for extended periods. The pressure resistance of approx. 200 kN/m² boasts a striking level of security, thereby corresponding to a compressive strength of approx. 20 tonnes per m². The dimpled membrane has a unusually high drainage capacity of $i = 0.01$; approx. 2.93 l/s-m, allowing it to be used for very large drainage lengths and/or very low roof slopes.

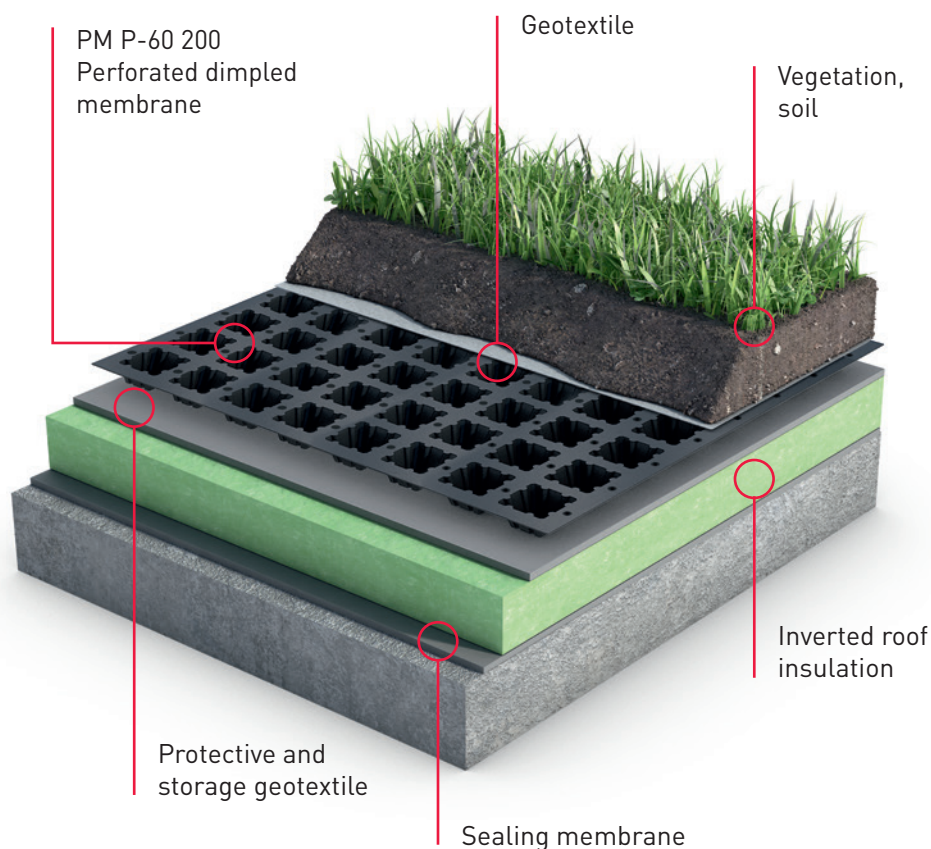
PM P-60 200 is available as a dimpled sheet in the dimensions 1.00 x 2.00 m. The plant substrate can be applied directly on the dimpled membrane after laying a separate geotextile. Thanks to the perforation, the water-storing drainage element is permeable and can also be used for inverted roofs; this prevents a film of water from forming on the inverted roof insulation. In walkable areas without vegetation, no geotextile is used. The base layer and the bedding material can then be applied directly on the dimpled membrane without changing the material. Then the pavement or slab covering can be laid on top of it.

Technical Data

Dimpled membrane	HDPE approx. 2,500 g/m ²
Dimple height	approx. 60 mm
Material thickness	approx. 1.50 mm
Total weight	approx. 2.50 kg/m ²
Number of dimples	130 dimples/m ²
Compressive strength	approx. 200 kN/m ²
Colour	black
Water flow capacity in the plane, rigid - soft, $i = 0.01$	approx. 2.93 l/s-m at 20 kPa approx. 4.08 l/s-m at 20 kPa approx. 5.36 l/s-m at 20 kPa approx. 6.81 l/s-m at 20 kPa
rigid - soft, $i = 0.02$	
rigid - soft, $i = 0.03$	
rigid - soft, $i = 0.05$	approx. 6.81 l/s-m at 20 kPa
Water storage	approx. 20 l/m ²
Plate length	2.00 m
Sheetwidth	1.00 m
Temperature resistance	-30 °C to +80 °C
Chem. properties	chemical-resistant
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



Installation

The waterproofed surface must thoroughly cleaned so that no damage can occur to the waterproofing after laying the drainage membrane. The waterproofing must be root-resistant according to the German FLL Green Roof Guideline or protected by a root protection membrane. Then lay a non-woven fabric as a protective and separating layer with at least 300 g/m² (according to the FLL guideline) on the waterproofing.

PM P-60 200 is laid horizontally with the dimples to the surface and the dimple openings facing upwards. Connect the sheets by butt joints. The dimpled sheet can be cut to the required length with a knife, but the waterproofing may not be damaged. The dimpled sheets are laid step by step. A geotextile is then installed as a filter layer over the laid surface, and the plant substrate can be applied directly. Finally, professionally install round gravel strips with a width of 30 cm at the roof edges and 20 cm around the roof inlets.

Accessories:

PM BUTYL ADHESIVE TAPE | PM POWER FIX cartridge adhesive