

Platon DE 40/500

Data sheet

Description

Green Roofs

Platon DE 40/500 is a studded sheet with channels in both directions between studs. The studs on the one face of the product are spaced at approx. 115 mm centres in both directions, providing an air gap to the underlying construction. The cavities within the studs provide water storage and the channels allow drainage within each sheet. The pattern of channels between studs retards drainage from each DE 40/500 sheet.



Application

Platon DE 40/500 creates a drainage and water storage layer in "green roof" construction.

Installation

Lay with the studs down, without fixing, on top of the roof waterproofing membrane (already covered by a root protection layer, if necessary). Overlap with one stud in both directions. DE 40/500 should be filled with water after installation for protection of wind suction and overheating in summer. The green roof tray must be covered within one day. Cut, as necessary at drainage gully, or change in roof slope, and lay edge to edge. Cover with a filter fabric, before the substrate covering is laid.

Storage, handling, transport

Sheets should be stored flat and under cover, when stored over long periods.

Technical Data		System	Components	Dimensions
Raw Material	PEH	40 42 07	DE 40/500	129 x 223m
Stud Height	40 mm		(sheets)	
Material Thickness	2.0 mm			
Weight	1.90 g/m ²			
Water storage capacity	10 l/m ²			
Drainage capacity of slits	0.7 l/sm ²			
Drainage capacity below studs	3.85 l/sm at 2% roof slope			
Air volume below studs	approx. 22 l/m ²			
Filling volume of studs	approx. 17 l/m ²			
Compressive strength (filled)	61.5 kN/m ²			
Green roof category	Intensive			