

Product Data Sheet

Stabilodrain® SD 30



Extremely stable drainage element for use over underground car park decks under vegetation, walkways and driveways.

Technical Data

EDP No. 3330

Stabilodrain® SD 30

Extremely stable and trafficable drainage and water retention element made of thermoformed recycled polystyrene.

Material	PS (REC)	(Polystyrene (REC))
Color:	dark grey	
Height:	ca. 1.3 in.	(ca. 32 mm)
Weight:	ca. 0.6 lbs/sq. ft.	(ca. 3 kg/m²)
Diffusion openings:	ca. 0.1 in.	(ca. 3 mm)
Water retention capacity:	ca. 0.2 gal/sq. ft.	(ca. 7.5 l/m²)
Filling volume:	ca. 0.5 gal/sq. ft.	(ca. 20 l/m²)
Max. compressive strength at 10% compression		
- without filling:	ca. 72.5 psi	(ca. 500 kN/m ²)
- Failure at (without filling):	ca. 101.5 psi	(ca. 700 kN/m ²)
Dimensions:	ca. 3.1 ft. x 6.6 ft.	(ca. 0.94 m x 2.00 m)

In-plane Water Flow Rate:

	<u>downwards</u>		<u>upwards</u>	
- roof slope 1 %:	ca. 4.7 gpm/ft.	(ca. 0.98 l/(s·m))	ca. 1.2 gpm/ft.	(ca. 0.25 l/(s·m))
- roof slope 2 %:	ca. 6.9 gpm/ft.	(ca. 1.42 l/(s·m))	ca. 1.9 gpm/ft.	(ca. 0.39 l/(s·m))
- roof slope 3 %:	ca. 8.6 gpm/ft.	(ca. 1.78 l/(s·m))	ca. 2.4 gpm/ft.	(ca. 0.49 l/(s·m))

Features

- high pressure resistance
- high drainage effect
- suitable on flat roofs with water puddles
- special shaped connecting profiles on the side
- quick and easy installation
- specially designed for application on inverted thermal insulation layers

Installation Instructions

Install the Drainage Element Stabilodrain® SD 30 on the protection mat. The drainage elements are installed with an overlap of ca. 1 inch, in green roof applications with the studs facing up, for hard landscape applications with the studs facing down and infilled with well graded coarse sand (3/8 in. to # 100). Cut the drainage

element in situ at roof penetrations. Consider an allowance for overlap and wastage of ca. 3–6 %. Stabilodrain® SD 30 is, included, but not limited to, to be installed according to manufacturer's instructions, not exposed to UV-light, completely covered. Call manufacturer for further options.

Health and Safety

This product does not require a material safety data sheet (MSDS) according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). When used as recommended or under ordinary

conditions, it should not present a health and safety hazard. However, an MSDS can be provided as a courtesy in response to a customer request.

