

# 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.

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

#### 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.

