

Product Data Sheet

Protection Mat ISM 50



Synthetic recycled fiber mat, highly resistant to mechanical stress; for use as protection layer under intensive green roofs, walkways and driveways etc.

Technical Data

EDP No. 2050

Protection Mat ISM 50

High-quality, extremely stable fiber mat of polyester/polypropylene, bottom sided fiber impregnation using acrylic compounds.

Color:	grey mottled	
Thickness:	ca. 0.2 in.	(ca. 6 mm)
Weight:	ca. 0.2 lbs/sq. ft.	(ca. 850 g/m ²)
Water retention capacity:	ca. 0.1 gal/sq. ft.	(ca. 4 l/m ²)

Protection efficiency according to EN ISO 13428:

Residual thickness $\geq 40\%$

Static puncture:	> 790 lbf	(> 3500 N)
Strength class:	5	

Improves footstep sound insulation (with concrete slabs in gravel bedding):

(delta L_{w,R} = 25 dB)

Dimensions:	ca. 6.6 ft. x 82.0 ft.	(ca. 2.00 m x 25.00 m)
-------------	------------------------	------------------------

Features

- highly resistant to mechanical strain
- with proven protective effect according to European Standard EN ISO 13428
- bitumen and polystyrene compatible
- non-rotting
- footstep sound insulation
- water and nutrient retention
- made of recycled fibers

Installation Instructions

Install the Protection Mat ISM 50 above a waterproofing or root barrier as with an overlap of 4 inch. The protection mat has to be taken above the Growing Media along edges and at roof penetrations. Cut the protection mat in situ at roof penetrations. Consider an allowance for

overlap and wastage of ca. 10–15 %. Protection Mat ISM 50 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.

