

Product Data Sheet

Protection Mat ISM 50

Order No. 2050



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



Technical Data

Protection Mat ISM 50

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

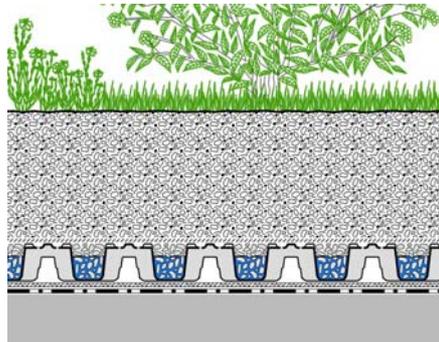
Thickness:	ca. 6 mm
Weight:	ca. 850 g/m ²
Colour:	grey mottled
Water storage capacity:	ca. 4 l/m ²
Protection efficiency according to EN ISO 13428:	Residual thickness ≥ 40 %
Improves footstep sound insulation (with concrete slabs in gravel bedding):	delta Lw,R = 25 dB
Penetration force according to EN ISO 12236:	> 3500 N
Strength class:	5
Dimensions:	
Roll width:	ca. 2.00 m
Roll length:	ca. 25.00 m

Features

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

Application Example

“Intensive Green Roof according to ETA-13/0668”



Plant layer
(e. g. perennials and shrubs)

System Substrate “Roof Garden”

Filter Sheet SF
Floradrain® FD 60 neo, infilled with Zincolit® Plus
Protection Mat ISM 50
Roof construction with root resistant waterproofing



Specification Suggestion

High quality, non-rotting synthetic fibre mat as water and nutrient storage with proven protective effect according to European Standard EN ISO 13428, bottom sided fibre impregnation using acrylic compounds, thickness ca. 6 mm, weight ca. 850 g/m², penetration forces according to Standards EN ISO 12236

> 3500 N, delivery and installation according to manufacturer´s instructions as a protection layer against mechanical impact on top of the waterproofing.

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