

# 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<sup>2</sup>  
 Colour: grey mottled

Water storage capacity: ca. 4 l/m<sup>2</sup>

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

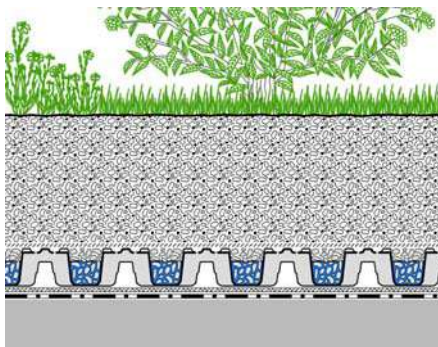
Dimensions:  
 Roll width: ca. 2.00 m  
 Roll length: ca. 25.00 m

### 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/m<sup>2</sup>, 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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