

# 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.

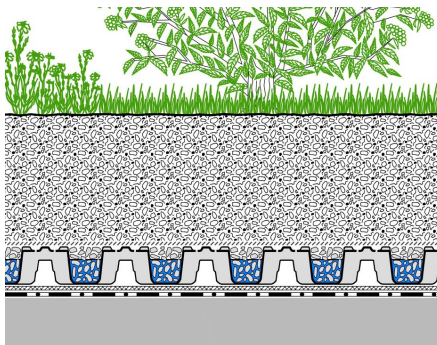
Thickness:	ca. 6 mm
Weight:	ca. 850 g/m <sup>2</sup>
Colour:	grey mottled
Water storage capacity:	ca. 4 l/m <sup>2</sup>
Protection efficiency according to EN ISO 13428:	Residual thickness ≥ 40 %
Tensile strength according to EN ISO 10319; lengthwise/crosswise:	> 10 kN/m / > 20 kN/m
Tensile extension lengthwise/crosswise:	40 - 100% / 40 - 100%
Penetration force according to EN ISO 12236:	> 3500 N
Strength class:	5
Improves footstep sound insulation (with concrete slabs in gravel bedding):	delta Lw,R = 25 dB
Dimensions:	
Roll width:	ca. 2.00 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"



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.

Make: ZinCo Protection Mat ISM 50  
Enquiries: ZinCo Green Roof Systems Ltd.  
Phone: +44 (0)1993 229 700