

## SOPRANATURE WSM-50

### Description

**SOPRANATURE WSM-50** is a structural, stable water reservoir panel made out of hydrophilic mineral wool that enables the Intensive Green Roof System to retain water naturally, similar to the manner in which clay or sub-soils retain water. The panels have a water retention capacity of approx. 40 l/m<sup>2</sup> at a build-up depth of only 50 mm. Owing to the limited amount of compressibility, the panels have been approved as a substrate substitute in accordance with the FLL-Green Roof Guideline for the planning, execution and upkeep of green roof sites (2008).

Through direct contact of the water reservoir panels with the substrate layer, the vegetation is able to regulate its own water balance, as nature intended. When the water reservoir panels become saturated, surplus water is discharged. By using the **SOPRANATURE WSM-50**, there is no build-up of hydrostatic pressure against the waterproofing membrane.

### Characteristics

Composition	Standard	Unit	Value
Material			hydrophilic mineral wool
<b>Properties</b>			
Mass		kg/m <sup>2</sup>	± 120
Water retention capacity		l/m <sup>2</sup>	± 40 (= 80 % volume)
Air volume		%	± 16
pH value			7-8
Dry weight		kg/m <sup>2</sup>	± 6
Saturated weight		kg/m <sup>2</sup>	± 46
<b>Packing</b>			
Dimensions per panel		mm	± 1200 x 600 x 50
Surface area (pack)		m <sup>2</sup>	± 2,88

### Installation

**SOPRANATURE WSM-50** is applied in the Intensive Green Roof system.

Always consult the local regulations and contact the manufacturer for technical questions.

### Special indications

#### Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

#### Quality-, Environment- and Safety Management

**SOPREMA** always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.