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Green Roofs Direct **Core System Specification**



EverMat Core Specification

Consists of: Separation/Protection Fleece, 50mm Natural Drainage Layer and Sea Hardened Sedum Blanket inc. 30mm Substrate Optional extras include root barrier membrane, trims and pebbles.

Separation/Protection Layer:

EN 9864

**Static puncture
Drainage layer:** 2100 g/m² (- 120 g / + 100 g)

Separation Layer: 300 g/m² (- 3 g / + 5 g)

EN 12236

Filter fleece: 1600 N

Water permeability

EN 11058

**normal to the plane
H50)** 0.11 m/s (± 0.01) (V

Application conditions / Limits:

Temperature - The use of Protection Layer 30 is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.

Drainage Layer:

Product	BKAQ50 (90/10)
Granule size	5-10mm
Density	Approx. 300kg/m ³
Resistance to Granule Fragmentation	>1.5N/mm ²
Water Absorption	15%-30%
Thermal Conductivity	0.1

Total pore volume > 30-40 Vol %

Max water capacity ≥ 75% Vol

Key data

Dry weight approx. 15kg/m²
Water saturated 30kg/m²

Organic content ≥0 g/L

pH value 8

Compression factor 1,2

Vegetation Layer:

Please see data sheet for information

Ecology, Health and Safety information

The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.

Sedum Blanket Datasheet

Carrier

Predominately rotttable Cocomat with geo textile weave

Substrate

LECA, Compost, Coir pith and fibre, horticultural grit.

**Vegetation
Composition**

Sedum Acre Aureum, Sedum Album Coral Carpet,
Sedum Album mini, Sedum Album Athoum, Sedum Hispanicum,
Sedum Summer Glory, Sedum Reflexum,
Sedum Weihenstephaner Gold, Sedum Voodoo

**Vegetation
Coverage**

Vegetation coverage

Thickness

2.5cm - 4.5cm

**Water saturation
weight**

18-22kg/m²

Standard Size

1m x 1m

Fire Certification:

Broof T4: UK BS 476:Part 3:2004.

The evermat core system as described in and under the conditions of the test is classified in class EXT F.AA according to the British Standard BS476 Part 3.

We achieved a AA rating for surface spread of fire.