

SLENTEX® 100/1 High Performance Insulation Material

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Version 01/red-Lölsberg
Date of issue 20.04.2018

Application:

Non-burning, flexible High Performance Insulation based on Silica-Aerogel.

Exterior and interior for minimizing of thermal bridges around the window such as: window reveal or roller shutter cases.

Exterior and interior for optimization thermal performance within the facade such as: thermal decoupling of ventilated facade elements, ventilated facade insulation boards and insulation for exterior insulation finishing systems (EIFS).

Performance Characteristics:

- Non-burning
- Excellent thermal insulation
- Water vapor diffusion open
- Flexible

Supply:

- Roll as fiber-reinforced blanket
- Thickness 10 mm, Width 150 cm, Length ca. 60 m
- Packaging: Standard materials are polyethylene stretch film (outer-wrap), two paperboard end-caps

Storage, Preparation :

- Store in dry areas, protected against direct sun light
- Avoid contact with organic solvents

Reaction-to-Fire Classification

Characteristic / Test Method / Value, Note

Characteristic	Test Method	Value
Euroclass	DIN EN 13501-1:2010	A2-s1, d0

The classification applies to the following end-use conditions:

- The building product may be used on all wooden substrates of Euroclass D-s2, d0 and all substrates of Euroclass A1 and A2-s1, d0 with a minimum thickness of 10 mm and a minimum density of 510 kg/m³.
- The building product may be used on metal substrates with a minimum thickness of 0,6 mm, a minimum density of 5887,5 kg/m³ and a minimum melting point of 1000 °C.
- The building product must be fixed mechanically to the substrate.
- The building product may be used with vertical and horizontal joints.
- The building product must be protected from soaking and weathering influences.
- Certificates / Reports: Available on request.
- CE-Certification not yet available

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We create chemistry

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Typical Physical Properties:

Characteristic / Test Method / Value, Note

Characteristic	Test Method	Value
Colour		white
Thermal Conductivity (λ_D)	DIN EN 13162	0,019 W/(m×K)
Density	DIN EN 1602	190-200 kg/m ³
Thickness	DIN EN 823	10 mm
Dimensional Stability at def. Temperature (70°C, 48h)	DIN EN 1604	$\Delta < 0,6\%$
Compressive Strength at 10% Compression	DIN EN 826	3,9 kPa
Tensile Strength Perpendicular to Faces	DIN EN 1607	16 kPa
Tensile Strength parallel to Faces	DIN EN 1608	1085 kPa
Short Term Water Absorption by Partial Immersion (24h)	DIN EN 1609 (A)	0,04 kg/m ²
Long Term Water Absorption by Immersion (48)	DIN EN 12087 (1A)	0,10 kg/m ²
Water Vapour Permeability, μ -Value	DIN EN 12086	5
Organic Content of SLENTEX	DIN EN 13820	3,8 Gew.-%

Values given for characteristics are average values.

Material Marking:

Product group: Insulation material
GISCODE: No data available
Safety : Safety data sheet in preparation

® = registered trade mark of BASF

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TELEPHONE

+44 (0)28 4177 3314

EMAIL

info@enviroform-insulation.com



enviroform
www.enviroform-insulation.com

ADDRESS

16 Milltown Industrial Estate
Upper Dromore Road
Warrenpoint
Co Down
BT34 3PN