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SLENTEX[®] 200/1

Technical Data Sheet

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DESCRIPTION

SLENTEX® 200/1 is a high performance aerogel insulation material. SLENTEX® 200/1 is supplied in blanket form and has a slim form factor that easily conforms to various shapes, geometries, and configurations. SLENTEX® 200/1 is vapour permeable, hydrophobic, has excellent fire performance properties, and is suitable for use across a wide temperature range.

The desired performance and suitability for use at any service temperature must be tested and qualified by the end user.

SLENTEX® was evaluated by ICC Evaluation Service, LLC (ICC-ES) in report ESR-4281 which provides guidance to code officials faced with approving the use of SLENTEX®. ESL-1195, ESL-1196, and ESL-1214 listings are additionally available online at www.icc-es.org.

PRODUCT DIMENSIONS

Form	Rolls
Thickness	10 mm / 0.39 in
Width	150 cm / 59 in
Density	12.0 - 15 lb/ft ³

FLAMMABILITY PROPERTIES

CAN/ULC S102	Class A: Flame Spread 0 Smoke Developed 5
ASTM E84	Class A: Flame spread 0 Smoke Developed 0
CAN/ULC-S114, Determination of non-combustibility in building materials	Non-Combustible
ASTM E136, Standard test method for assessing combustibility of materials	Non-Combustible

For more information on this product, please contact the BASF Tech Desk at 800.527.8324 or techquestions.na@basf.com

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PHYSICAL PROPERTIES

Compressive strength at 10% strain, ASTM C165-07	35.30 kPa / 737.3 lb/ft ²
Compressive strength at 25% strain, ASTM C165-07	99.44 kPa / 2077 lb/ft ²
Linear shrinkage under soaking heat at 650 deg C, ASTM 356-17	(L,W,H) 1.07%, 0.83%, 4.79% 5.23% mass change
Maximum use temperature, ASTM C447-15	650 °C
Water vapor sorption, ASTM C1104	2.76 wt.% (0.6 v%)
Corrosion using leached solution, ASTM C1617-15	Non-Corrosive
Water absorption by immersion, ASTM C1763	3.99 wt. %
Water vapor transmission, ASTM E96	68 Perms
Fungi resistance, ASTM C1338	No growth
Termite resistance (Formosan termites), AWPA E1	Pass

THERMAL PROPERTIES

R value (Hr. ft ² F / BTU inch) at 24°C	7.9
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R Value Table

Temp (°C)	R Value (Hr. ft ² F / BTU inch)
-150	10.6
-100	9.1
0	7.5
24	7.9
100	6.3
200	5.3
300	4.1
400	3.1
500	2.4
600	1.7

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STORAGE RECOMMENDATIONS

- Store in a dry area, protected against direct sunlight
- Avoid contact with organic solvents

SAFETY AND HANDLING RECOMMENDATIONS

- For information regarding safe product handling, consult the product Safety Data Sheet.
- For sever emergencies contact CHEMTREC at 1-800-424-9300 or the BASF HOTLINE: 1-800-832-HELP (4357)

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