

Trade Name

ORSTECH LSP H - reed valve

Description

Rock wool felt, non-hydrophilic, consisting of oriented fibre lamellae – mainly perpendicular to the surface – glued on a mesh aluminium foil support, reinforced with a glass yarn grid.

Prevalent uses

- Thermal insulation, from the outside, of metal ducts and pipes, cylindrical structures, industrial appliances and containers.

Thermal conductivity

[EN ISO 13 787]

Average temperature °C	(W/mK)
50	0,045
100	0,055
150	0,070
200	0,085
250	0,105
300	0,125
400	0,180

Test report FIW Institute of Munich (D) : F.3-088/09 of 09/10/2009

- Dimensions according to EN 12 667

Fire behavior

Reaction to fire	A2 – s1, d0	[EN 13 501-1]
Combustibility class	A2	[DIN 4102]
Melting Point	≥ 1,000 °C	[DIN 4102 – part.17]

Temperature limit of use

[EN 14 706]

≤ 600 °C (fiber side)

The thickness of the insulation must in any case be sufficient to ensure that the coated outer side is not exposed to a temperature above 80 °C.

→ at 150 °C the binder begins to evaporate

Specific heat

CP : 840 J/kg K

Physical properties

Nominal density : 55 kg/m³ (± 12 %)

[EN 1602 ; EN 13 470]

Short-term water absorption **WP** : << 1 kg/m²

[EN 1609]

Vapor Barrier Thickness Aluminum Foil **Sd** : > 100 m

[EN 12 086]

Other characteristics

Artifact easy to handle, odorless, rot-proof, chemically inert, resistant to bagging, resistant to mold.

- Also adaptable to surfaces with irregular geometry.
- Under the expected conditions of use, the product is stable over time
- Easy to work and install; Can be cut with a knife
- Behaviour with stainless steel :
 - Acceptable – AS quality for this application according to AGI Q 132 – EN 13 468
 - DIN CERTCO certification, issued by the FIW Institute in Munich : Reg. Nr. 6V053

Standard Dimensions

thickness Mm	Orstech LSP H Meters	m ² Packaging	n° rolls per pallet	m² per pallet
20	1.00 x 8.00	8,00	20	160,00
30	1.00 x 5.00	5,00	20	100,00
40	1.00 x 4.00	4,00	20	80,00
50	1.00 x 3.00	3,00	20	60,00
60	1.00 x 4.00	4,00	12	48,00
80	1.00 x 3.00	3,00	12	36,00

Dimensional tolerances

Length: ± 2 % Width

: ± 1.5 %

Thickness : - 5 mm , + 5 mm

Packaging

Rolls in heat-shrink polythene, placed on wooden pallets and wrapped outside in polythene.



Storage

The product must be stored indoors or indoors, suitably ventilated.
The product must be handled with care to avoid accidental detachment of the support

Price

Per square meter

Product marketed by Saint-Gobain Isover Italia S.p.A. :

Manufactured by Saint-Gobain ISOVER CZ s.r.o. – Czech Republic
Certificate of Conformity CE 1390 – CPD – 0212/09/P

The quality system of Saint-Gobain Isover Italia is certified according to EN ISO 9001: 2008 - EN ISO 14001: 2004 - OHSAS 18001 : 2007

The data indicated in the form – with the exception of those required by the CE marking – are not mandatory and Saint-Gobain Isover Italia S.p.A. may, without particular notification, modify them.

The delivery is subject to our production capabilities.

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