

ISOBELL®

UNI EN 13984:2013

**Flexible membrane for waterproofing
VAPOR PERMEABLE TYPE B - AVCP 3**

DESCRIPTION DEL PRODOTTO

ISOBELL® is the white thermal insulation made on a base support in 100% polypropylene/polyester coated with a flame retardant acrylic compound, 100% water based, and of which the active component is the micro-expanding agent with a high insulating power produced in a single layer.

ISOBELL® is the flexible solution for the renovation of deteriorated walls and façades indoors and outdoors that allows a fast and effective restoration of the premises even in the most difficult situations without inconvenience to the tenants. It contributes to the optimisation of energy efficiency and the comfort of buildings thanks to its properties of thermal insulation, breathability, resistance to mould and fungus and stability over time. It is the ideal material for rapid, economically advantageous and low environmental impact interventions.

COMERCIAL NAME: ISOBELL®

FIELDS OF APPLICATION

- Restoration of internal and external walls in case of rising damp.
- Restoration of internal and external walls in the presence of mold and condensation.
- Thermal insulation of false ceilings, floors and walls.
- Facade renovation in the presence of cracks
- Internal rehabilitation in the presence of humidity and mold
- Coatings for constraints of thickness under 2 cm

ISOBELL® has been developed for simple and rapid installations even with complex surfaces, non-planar and with constraints such as cornices, window sills or other façade elements that need to be preserved (sheet supply recommended). ISOBELL can be installed without the use of fixing dowels*.

*Tightening test (pull-off) performed according to ETAG 004 guidelines, in comparison with the reference EPS sheet.

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LAYING METHOD

Surface preparation
Adhesive application
Laying of ISOBELL®
Finish coat application



WATCH LAYING METHOD VIDEO
(scan with your phone camera)

PACKAGING

Rolls

Dimension: h = 95 cm - l = 7,5 m
Packaging: 1 roll, 7,125 sqm
Pack weight: ca. 5 Kg

DATA SHEET

Charateristics	Regulation	Reference	Parametar	Results
Tensile strength	UNI EN 12311-2		σ_L [N/mm ²] - A _{%L} σ_T [N/mm ²] - A _{%T}	2,9 - 37,6 % 2,24 - 50,6 %
Tensile strength method of artificial ageing	UNI EN 1847		σ_L [N/mm ²] - A _{%L} σ_T [N/mm ²] - A _{%T}	2,77 - 31,2 % 2,13 - 43,8 %
Fire resistant	EN 13501		Euroclasse	E
Tear resistance	ETAG 004		$\sigma_{R, Pull-off}$ [MPa]	0,3
Resistance to tearing (nail shank)	UNI EN 12310-1		F _L [N] F _T [N]	227 ± 41 261 ± 23
Water vapour transmission	UNI EN ISO 1931	T = 23°C U.R. = 50%	μ S _d [m]	57,0 0,27
Water vapour transmission method of artificial ageing	UNI EN ISO 1931 UNI EN 1296	T = 23°C U.R. = 50%	μ S _d [m]	74,1 0,32
Accredited Testing Laboratory				

Manifattura del Seveso Spa - unico socio

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Sede legale: via Monte Grappa, 7 | 24121 Bergamo | Tel. +39 035 881950 | info@isobell.it | www.isobell.it

R.E.A. N. BG-383192 | C.F.-P.I. 06007650960 | n. meccanografico BG066051 | Reg.Impr BG N. 06007650960

Capitale sociale € 1.000.000,00 i.v.

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Characteristics	Regulation	Reference	Parametar	Results
Dimensional stability	UNI EN 1603	T = 23°C U.R. = 50%	Average variation of the geometric dimensions	$\Delta l = 0,66 \%$
Thickness	-	T = 23°C U.R. = 50%	S [mm]	$5 \pm 10 \%$
Mass area	-	T = 23°C U.R. = 50%	M_a [g/m ²]	$700 \pm 7 \%$
Thermal conductivity	EN 12667	$T_{media} = 10 \text{ }^\circ\text{C}$ $\Delta t = 20 \text{ }^\circ\text{C}$	λ [W/mK]	0,031
Mould protection	DIN 53931	Incubation of 2 weeks at 28°C of species: Aspergillus niger Penicillium funiculosum Chaetomium Globosum	Visual evaluation	00 = absence of fungal growth on the plate
	THOR No. 800.2	Incubazione di 28 giorni a 25 °C con ceppo batterico della specie: Pseudomonas aeruginosa (ATCC 27853)		0 = absence of fungal growth with halo
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201559-2/CPR/2021

1. Unique identification code of the product-type: ISOB.R007
2. Type, lot, series number: not applicable
3. Intended use (s): breathable coating to protect the walls from mold, condensation and rising damp
4. Manufacturer:
Manifattura del Seveso Spa Via Vespucci, 20 | 24046 Osio Sotto (BG) Italy
Registered office: via Monte Grappa, 7 | 24121 Bergamo | Tel. +39 035 881950 | info@isobell.it | www.isobell.it
5. Authorized representative: not applicable
6. System of assessment and verification of constancy of performance: AVCP 3
7. The notified testing laboratory: MITC Intercert srl
8. Not applicable
9. Declared performance

Water vapor transmission (sd)	0,27 m
Resistance to longitudinal traction	2,90 N/mm ²
Transverse tensile strength	2,24 N/mm ²
Longitudinal tear resistance	227 N
Resistance to transverse tearing	261 N

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MANIFATTURA DEL SEVESO SPA
Via A.Vespucci 20-24046 Osio Sotto (BG)
www.isobell.it

Water vapor transmission (sd)	0,27 m
Resistance to longitudinal traction	2,90 N/mm ²
Transverse tensile strength	2,24 N/mm ²
Longitudinal tear resistance	227 N
Resistance to transverse tearing	261 N
Thermal conductivity	0,031 W/mK