



ISOBELL®

UNI EN 13984:2013

Flexible damp-proof membrane
VAPOR CONTROL TYPE B – System 3

PRODUCT DESCRIPTION

ISOBELL® is an orange insulation made on a 100% polyester base. We produce it in a single layer, spread with an ad hoc 100% water-based flame-proof acrylic compound whose active ingredient is a highly insulating micro-expanding agent.

ISOBELL® is the flexible solution to improve deteriorated walls both indoors and outdoors, so you can quickly and effectively patch them up even in the toughest situations without inconveniencing those that live within them. It helps optimize the buildings' energy efficiency and comfort thanks to its heat insulation, breathability, and mold/fungus resistance properties and how it stands the test of time. Using it helps keep the home environment healthy. It is the ideal material for fast, cost-effective jobs with a small environmental footprint

DATA SHEET

SCOPE OF APPLICATION

Improvement of inner and outer walls with rising damp.
Improvement of inner and outer walls with mold and condensation.
Insulation of drop ceilings, floors, and walls.
Improvement of façades with cracks
Outdoor façade cladding with thickness limitations.

INSTALLATION

ISOBELL® is designed for fast and easy installation, even when you have complex, uneven surfaces, and with limitations like cornices, windowsills, or other façade parts that should or must be left intact. You can install ISOBELL® without using any anchors*.

*Pull-off tests conducted following EN ISO 4624 guidelines, in comparison with the EPS sheet of reference.

SUPPLY CONDITIONS

Packaging: One 7.125 m² roll | Size: h = 95 cm - l = 7.5 m
Packaging: cardboard wrapping | Packaging weight: ca. 5 Kg

TECHNICAL DATASHEET

Charateristics	Standard	Reference	Parametar	Results
Tensile strength	UNI EN 12311-2		[N/mm2] - A _{%L} [N/mm2] - A _{%T}	2,9 - 37,6 % 2,24 - 50,6 %
Tensile strength following wear and tear	UNI EN 1847		[N/mm2] - A _{%L} [N/mm2] - A _{%T}	2,77 - 31,2 % 2,13 - 43,8 %
Fireproofing	EN 13501		Euroclasse	E
Pull-off resistance	ETAG 004		[MPa]	0,3
Tear resistance (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 vapor transmission after wear and tear	UNI EN ISO 1931 UNI EN 1296	T = 23°C U.R. = 50%	μ S _d [m]	74,1 0,32
Thermal conductivity	EN 12667	T _{media} = 10 °C Δt = 20 °C	[W/mK]	0,031
Thickness	-	T = 23°C U.R. = 50%	S [mm]	5 ± 10 %
Mould protection	DIN 53931	Incubation of 2 weeks at 28°C	Visual evaluation	00 = absence of fungal growth on the plate
	THOR No. 800.2	Incubation of 4 weeks at 25°C		0 = absence of fungal growth with halo
Tests conducted at qualified laboratories				



MANIFATTURA DEL SEVESO S.p.A

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PERKS

This way it takes very little time to get the job done, and there is no inconvenience to those living in the building.

The product was conceived to make all restoration and renovation jobs simple. Since it's so easy to install, just one person can do it.

Even DIYers can shape it easily with a regular cutter and install it without an exact order or orientation (right side up or upside down), rolling down from the top (vertically) or horizontally.

INSTALLATION METHOD

IMPORTANT: before you begin, the worksurface has to be: Shielded from the elements and not running the risk of freezing, Strong, hard, stable enough, and reasonably dry. Clean, with no dust, molding agents, or bloom.

STEP 1

Spread our ready-to-use adhesive with a five or four-millimeter comb, applying about a 1/1.5 mm layer

STEP 2

Install ISOBELL. If necessary, smooth out the roll, and with a simple CUTTER cut and trim.

STEP 3

Position ISOBELL by pressing the wall hard with your comb in order to keep air bubbles from forming.

STEP 4

Use the same adhesive/skim coat product, and apply the first coat pressing hard to even out the surface. You apply the second coat while the first coat is still wet to bring the total thickness to about 1/1.5 mm.



WATCH LAYING METHOD VIDEO
(scan with your phone camera)

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1. Unique identification code of the product type: **ISOB.R007**
2. Type, batch, or serial number: **not applicable**
3. Intended use/usages: **breathable covering to shield the walls from mold, condensation, and rising damp**
4. Manufacturer: **Manifattura del Seveso Spa Via Vespucci, 20 | 24046 Osio Sotto (BG) Italy**
5. Agent: **not applicable**
6. System of evaluation and inspection on performance consistency: **AVCP 3 System**
7. The test laboratory notified: **MITC Intercert srl**
8. Not applicable
9. Performance reported

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

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