

ISOBELL
SOLUTION FOR WALLS

The system for interior walls with mould, condensation and thermal bridges

COLD WALLS WITH THERMAL BRIDGES

ISOBELL®
LIVE YOUR COMFORT

WHAT IS ISOBELL

The material consists of a 100% post-consumer recycled PET (GRS) nonwoven fabric, coated with a special water-based acrylic compound. Very low emissions of volatile organic compounds: TVOC 39 µg/m³ at 28 days (test report EN 16516, Eurofins).

The system improves the wall's thermal transmittance and raises its surface temperature, reducing the risk of condensation. This makes it particularly suited to the restoration and retrofitting of existing buildings with thermal bridges.
With Isobell the wall surface temperature rises and the surface stays above the dew point under design conditions, reducing surface condensation. Water vapour can migrate through the membrane (Sd 0.17 m) and disperse gradually, without accumulating. The wall breathes, stays drier and warmer, and counters mould formation, improving thermal comfort.

Isobell is a patented, insulating and breathable membrane that reduces mould and condensation.



REDUCES HEAT LOSS

This system creates a barrier to heat loss: 29% less on a 30 cm plastered concrete wall.



EVENS OUT THERMAL BRIDGES AND PROTECTS AGAINST MOULD

By raising the surface temperature, it reduces the risk of condensation at cold spots.



EXCELLENT BREATHABILITY FOR BETTER INDOOR COMFORT

The Sd value (m) is 0.17: the wall continues to exchange moisture with the room.



STABILISES THE INTERNAL MICROCLIMATE OF THE MASONRY

Raises the surface temperature above the dew point under design conditions: a warmer wall with less condensation.



RESISTS MOULD GROWTH

The membrane shows no fungal growth in DIN 53931 and THOR 800.2 tests.

WHAT MAKES IT UNIQUE

Low emissivity:
emissivity 0.70, lower than that of cementitious materials (over 0.9)

Wall temperature increase:
+3.3 °C on the surface (30 cm concrete wall, −5 °C outside)

Radiant effect:
improves indoor comfort thanks to better heat distribution across the surface

Less heat loss:
walls stay warmer for longer

Less heat loss:
29% less on a 30 cm plastered concrete wall

INDOOR COMFORT



CE CAM

Isobell waterproof, breathable thermal membrane in 100% recycled PET coated with an acrylic compound, TVOC 39 µg/m³.

PROPERTIES

Thermal conductivity (W/mK)	0,036
Emissivity	0,70
Density (kg/m3)	140
Reaction to fire	class E
Thickness (mm)	5 ± 10%
Service temperature (°C)	- 40/+80
Water vapour transmission Sd (m)	0,17
Fungal growth (DIN 53931)	none
“Pull-off” strength (N/cm2)	30

Values are obtained from standardised tests carried out by external laboratories for building materials and components.

SiPAINT



Paint

Active-protection mineral paint for interiors with potassium silicates and high diffusion capacity. Glass microspheres increase the anti-condensation effect.

SiNERGY



Mineral adhesive and finish

Mineral ready-to-use paste, ideal for surfaces affected by mould, condensation and poor thermal insulation, with 0.5 mm grain size.

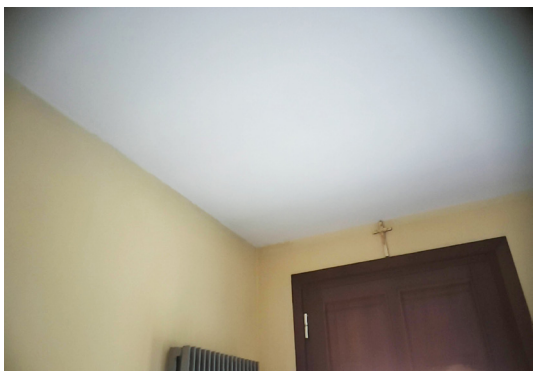
Made of potassium silicate, lightened with perlite granules and glass microspheres for better workability.
Can be applied on all types of masonry, as well as on surfaces made with any type of construction product.













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MADE IN ITALY

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