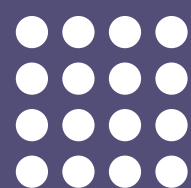


~21.0 °C
~18.4

ISOBELL THIN WALL LINING SOLUTION

The system designed for interior cold walls
and insulating problems.

COLD WALLS AND THERMAL BRIDGES



ISOBELL®
LIVE YOUR COMFORT

WHAT IS ISOBELL

The material consists of a nonwoven fabric made from 100% recycled PET polyester, coated with a special water-based, flame-retardant synthetic compound. Certified and completely VOC-free (free from volatile organic compounds), it helps create healthier indoor environments.

The system improves the wall's thermal transmittance, blocks external moisture ingress, and prevents the formation of condensation within the structure. This makes it particularly suitable for the refurbishment and retrofitting of existing buildings with thermal bridges.

Thanks to ISOBELL's high breathability, the internal relative humidity is reduced while the wall's surface temperature increases. The dew point shifts inward or can even be eliminated, preventing surface condensation. Water vapor is able to migrate through the membrane and gradually disperse without accumulating.

The wall breathes, remains dry and warm, and effectively counteracts mold formation, improving living comfort and the overall quality of the indoor environment.

WHAT MAKES IT UNIQUE

Low Emissivity:

The value (~ 0.6) reduces heat loss compared to cement-based materials (emissivity > 0.9)

Increased Wall Temperature:

+4°C on average on surfaces coated with the thermal and breathable membrane

Radiant Effect:

Enhances indoor comfort thanks to improved surface heat distribution

Reduced Heat Loss:

Walls stay warmer for longer

Energy Savings:

Up to 35% reduction in energy consumption for both heating and cooling

ISOBELL is a patented thermal insulating vapor control membrane that solves mold and condensation problems.

IT REDUCES HEAT LOSS AND SAVES ENERGY.



This system acts as a THERMAL BARRIER and helps increase the energy efficiency of a standard non-insulated wall.

LEVELS OUT THERMAL BRIDGES AND PROTECTS AGAINST MOLD.



By increasing the surface temperature, it is the best solution to prevent moisture condensation.

EXCELLENT BREATHABILITY FOR IMPROVED INDOOR COMFORT.



The S_d value (m) is 0.27. Thanks to its high breathability, the material can regulate the relative humidity in indoor environments.

STABILIZES THE WALL'S INTERNAL MICROCLIMATE.



Eliminates the dew point and, consequently, condensation formation, resulting in a healthy, thermally balanced, and condensation-free wall.

INTEGRATED ANTI-MOLD AND ANTI-ALGAE ACTION.



The products are formulated with specific additives that inhibit the growth of mold, algae, and bacteria, even in humid or poorly ventilated environments.

INDOOR LIVING COMFORT



CE CAM



ISOBELL - Waterproof and breathable thermal membrane made of 100% recycled polyester, coated with a synthetic compound, VOC-free.

SPECIFICATIONS

Thermal conductivity (W/mK)	0,036
Emissivity	0,59
Density (kg/m ³)	140
Fire resistance	class E
Thickness (mm)	5,5+10%
Operating temperature (°C)	- 40/+80
Water vapor transmission Sd (m)	0,17
Mold resistance	high
Pull-off strength (N/cm ²)	30

The results were obtained through certified and standardized tests carried out at authorized and accredited external laboratories for testing building materials and components.

SiPAINT



Paint



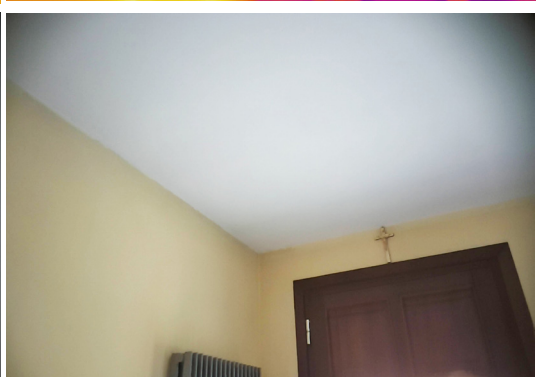
Mineral paint with active protection for interior environments, based on potassium silicates and characterized by high vapor permeability. Thanks to the presence of glass microspheres, it enhances the anti-condensation effect.

SiNERGY



Adhesive, skim coat, and bonding primer

Unique hybrid mineral silicate based product, ready-to-use paste, ideal for applications on surfaces affected by rising damp, mold, condensation, and poor thermal insulation, with a 0.5 mm grain size. Composed of stabilized potassium silicate and lightened with perlite granules and hollow glass microspheres for improved workability. Applied with SiPRIME as an adhesion and bonding primer between the ISOBELL membrane and SiNERGY.





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MADE IN ITALY