



Technical  
data sheet



# LECO ISOLE

## Product description

<b>Material</b>	LECO ISOLE is a polyester and cellulose non-woven.
<b>Use</b>	LECO ISOLE is the ideal wallcovering for thermal insulation and acoustic absorption. It prevents cold walls, reduces condensation and saves energy. LECO ISOLE has a very low thermal conductivity which saves up to 16 % of energy consumption. Moreover it creates smooth and even surfaces, protects against cracks and moisture and provides a cosy living atmosphere through its breathability.
<b>Properties</b>	<ul style="list-style-type: none"> <li>• Thermal insulation: 52000: <math>\lambda = 0,039</math>; 52300: <math>\lambda = 0,032</math></li> <li>• Acoustic absorption: <math>\alpha_w = 0,20</math></li> <li>• Breathable</li> <li>• Bridges cracks (hairline and fatigue cracks)</li> <li>• Pre-pigmented</li> <li>• Paintable</li> <li>• Dry strippable</li> <li>• Free of PVC and glass fibres</li> <li>• Skin friendly</li> </ul>
<b>Certificates</b>	<ul style="list-style-type: none"> <li>• Complies with CE DIN EN 15102</li> <li>• Fire performance: 52000: E 52300: C-s1, d0</li> <li>• Oeko Tex® Standard 100</li> <li>• Contains no allergenic substances</li> <li>• A+ (VOC)</li> <li>• FSC® Mix</li> </ul>

Roll size and packaging	Article	Roll size	Weight approx.	Packing unit	Rolls per pallet
	52000 011	1,00 x 12,50 m	480 g/m <sup>2</sup>	6 rolls	24 rolls
	52300 010	1,00 x 15,00 m	300 g/m <sup>2</sup>	8 rolls	32 rolls

11/2024



\*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)





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Wallcovering for thermal and acoustic insulation with an even surface

LECO ISOLE protects against:



Coldness



Noise

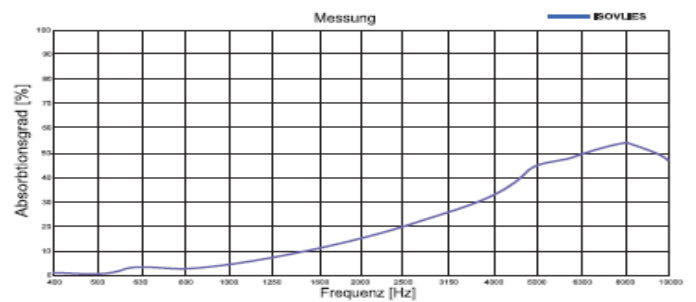


Moisture



Cracks

Absorbs up to 54% of the noise



Prevents cold walls, reduces condensation and saves energy. Due to its composition, LECO ISOLE has a low thermal conductivity:

52000 011:  $\lambda = 0,039 \text{ W/mK}$

52300 010:  $\lambda = 0,032 \text{ W/mK}$

The heat transfer coefficient  $U[\text{W/m}^2\text{K}]$  determines the heat requirement in a building. LECO ISOLE reduces the value  $U$  as follows:

Old wall (20 cm concrete + 2 cm plastered)

$U = 2,62 \text{ W/m}^2\text{K}$

Old identical wall + LECO ISOLE

$U = 2,19 \text{ W/m}^2\text{K}$

The energy loss is reduced by 16% due to LECO ISOLE.

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# LECO ISOLE

## Instructions of use

### First step

Please check product prior to hanging. Despite high quality standards irregularities in material cannot be excluded entirely. Therefore a control of the material and equal batch numbers is required. Claims after usage will not be accepted.

### Wall surface

The wall surface must be dry, clean, evenly coloured and absorbent. Old wallcoverings and non-adhesive coatings have to be removed. Cracks, joints and irregularities must be filled and smoothed. The wall has to be evenly absorbent. If necessary treat prior to hanging.

### Hanging

Use the glass fibre adhesive LECOLLE Xtra Strong observing manufacturer's instructions. Cut wallpaper length to according height incl. 5 - 10 cm extra material. Apply glue to the wall per length evenly with a lambskin roller. Apply the wallpaper length to the wall smoothing out air bubbles with a spatula or rubber roller. Butt join following length. Trim excess. Excessive adhesive has to be removed with a damp sponge immediately.

### Painting

Once dry, the wallcovering can be used as a wall liner or can be painted with an adequate paint like dispersion, latex or acrylic paint according to DIN EN 13300. Please observe manufacturer's instructions. For further recommendations contact your local distributor.

### Note

The statements above are general recommendations. We exclude any claims based on work conditions and wall constitutions on which we do not have any influence. In case of doubt please test.

11/2024



STANDARD 100  
09.0.69682  
Hoherstein HTT



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