

INSULATING UNDERFLOOR CARPET

AREAS OF APPLICATION

For use as underlay carpet with parquet, laminate and wooden plank flooring.

BENEFITS

Acoustical insulation: contact / walking noise and ambient sound reduction shield.

Thermal insulation: Isolina linen undercarpet insulates the top floor from a colder floor below, without obstructing warmth from underfloor heating reaching the upper floor.

The product can compensate small differences in the evenness of the underfloor and facilitates differences in expansion and crimp between the base floor and the upper floor.

TECHNICAL SPECIFICATIONS

Thermal conductivity:

$\lambda_{10} = 0.038 \text{ W/mK}$, acc. ISO 8301 / DIN 52616
and WLG 040 acc. DIN 18165

Acoustical insulation:

Delta $L_w = 20 \text{ dB}$ / Delta $L_{in} = 10 \text{ dB}$
Walking-noise attenuation (L_n) at 500 Hz = 20 dB
according ISO 140/VIII - 1978

Elongation before tearing: 25 %

Thicknesses: 6 and 8 mm

Roll length: 21 m

Roll widths: 1.1 m (23.1 m²) or 2.2 m (46.2 m²)

DESCRIPTION

Flax-based undercarpet reduces walking and talking noise, shields from cold undergrounds, compensates uneven underfloors and allows unequal creep of upper- and underfloor.

Manufactured by felting of linen fibres on a needle loom and available in two thicknesses to suit the floor type. The product is a good example of sustainable construction; made from renewable raw material, environmentally friendly, long lasting and recyclable.

Isolina underfloor can be laid loose and directly over the dry concrete floor, without chemical incompatibilities.

INSTALLATION INSTRUCTIONS

For best sound reduction effect the following guidelines should be observed:

- 1) The supporting base floor must be even and dry. Irregularities shall be removed before installation.
- 2) Wrap 5 cm oversized mat around floor and trim after installation. Tape butted joints of the underfloor carpet.
- 3) Cover total floor surface and joints with noise dampening material to avoid acoustical bridges and sound leaks.

