HØRNING
FLOORS FOR GENERATIONS

Data Sheet

HØRNING Acoustic Underlay

Sound insulation substrate 19 dB

HØRNING Acoustic Underlay 2 mm provides improved footstep sound insulation plus improved walking and living comfort. It can be used as an underlay for wooden floors when laid fully bonded to a solid subfloor.

Suitable for indoor use.

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HØRNING Acoustic Underlay 2 mm - Data Sheet

Product description
HØRNING Acoustic Underlay 2 mm is an adhesive and elastic underlay based on cork-foam granules.

HØRNING Acoustic Underlay 2mm is easy to lay, cut, and glue. The underlay has a sound insulation ability up to 19 dB.

It can be used on subfloors of concrete or panel construction, such as chipboard or plywood sheets.

HØRNING Acoustic Underlay 2 mm is suitable for underfloor heating.

The product contains polyurethane, which is a blend of granules and PUR foam. Contact Hørning Parket for further technical inquiries.

Technical data

Width: 1m

Length: 25m

Thickness: 2mm

Sound [dB]: 19 (Acc. to EN ISO 16251-1)

Thermal Resistance [m²K/W]: 0,03 (Acc. to DIN 52612)

Thermal Conductivity [W/m²K]: 33,3

Weight per roll [kg/m²]: 1,2

Durability: Min. 24 months in a dry, frost-free environment

Colour: Grey-brown

Packaging: 25m² per roll (30kg)

Floor Operating Temperature: 18°C

Fire Class: Efl-s1 (Acc. to DIN EN 13501-1)

Underfloor Heating: Yes

Cork underlay contains: Polyurethane and granules

Emicode: EC1 PLUS.

Work description

Preparation
The substrate must be firm, level, load bearing, dry, free of cracks, and clean for optimal adhesion.

Always check the substrate for defects and deficiencies, following applicable standards and data sheets. In case of any defects or deficiencies, contact Hørning Parket before proceeding with installation.

The subfloor should be thoroughly sanded and vacuumed. Hørning Acoustic Underlay can be glued to concrete decks with residual moisture below 65%, without the need for a moisture barrier. If the residual pore moisture is between 65% and 85%, or on ground-level decks, the concrete should be treated with a moisture barrier, such as a suitable moisture-inhibiting primer. The moisture barrier must be completely dry before applying the adhesive. Follow the instructions on the data sheet.

Hørning Parket recommends HØRNING Moisture Barrier.

The subfloor should be level. Use a 2-meter straight edge and thoroughly check the area. If there are irregularities of more than +/-2 mm, these should be corrected.

When installing the cork underlay, the following conditions must be adhered to room temperature 18-24°C, floor temperature above 18°C, and humidity between 35-65% relative humidity (RF). Be aware that the drying time of the adhesive is affected by temperature and humidity.

If the subfloor has a high residual humidity percentage (RF), it is important to check and apply a moisture barrier before installation.

Conditions of use
HØRNING Acoustic Underlay 2 mm must acclimate for a minimum of 24 hours in the same room where it will be installed. The room temperature should be 18-24°C.

When laying wooden floors, the cork underlay is placed across the direction of the wood flooring.

The cork underlay is cut with a 3 mm gap to all boundaries.

The cork underlay must be rolled immediately after installation before the adhesive has cured to achieve the correct adhesion.

Adhesive application for the underlay
Note that when used under fully glued wooden floors, the same adhesive is applied both under and over the cork underlay.

Hørning Parket recommends HØRNING MS Flexlim III Eco.

When applying adhesive under the cork underlay, use 0.6 liters of adhesive per m², equivalent to HØRNING adhesive trowel no. 4, corresponding to a B7 trowel.

The wooden floor may be installed no earlier than 24-48 hours after the underlay has been glued.

Gluing the wooden floor
Refer to the installation instructions for the specific HØRNING wooden floor.

Environmental information
EMICODE EC1 PLUS