



Acoustic Underlay

Sound insulation substrate - Data Sheet

HØRNING Acoustic Underlay 2/3 mm

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

Highlighted Features:

- Improves acoustic insulation
- Sound [dB] 19 (applies to 3 mm)
- Enhances the natural movement in the solid wooden floor

If you have any questions or need advice, please don't hesitate to contact us.

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Product Description

HØRNING Acoustic Underlay 2/3 mm is an adhesive and elastic underlay based on cork-foam granules.

HØRNING Acoustic Underlay 2 mm is easy to lay, cut, and glue. The 3 mm 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 2/3 mm is suitable for underfloor heating.

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

Technical Data

Thickness:	2/3 mm
Width:	1 m
Length:	25 m
Sound [dB]:	19 (Acc. to EN ISO 16251-1) Applies only to 3 mm
Thermal Resistance:	[m ² K/W]: 0.03 (Acc. to DIN 52612)
Thermal Conductivity:	[W/m ² K] 33.3
Weight Per Roll:	1.2 kg/m ²
Durability:	Min. 24 months in a dry, frost-free environment
Colour:	Grey-Brown
Packaging:	25m ² 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

Preperation

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 Hørrning before proceeding with installation.

The subfloor must 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 must 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.

Hørrning recommends HØRNING Moisture Barrier Eco.

The subfloor must 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 (RH). Be aware that the drying time of the adhesive is affected by temperature and humidity.

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

Condition of Use

HØRNING Acoustic Underlay 2/3 mm must acclimate for a minimum of 24 hours in the same room where it will be installed. The room temperature must be 18-24°C.

When installing wooden floors, install the cork underlay perpendicular to the direction of the wood flooring.

Cut the cork underlay with a 3 mm gap to all boundaries.

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

Adhesive Application for the Underlay

NB: When used under fully glued wooden floors, the same adhesive is applied both under and over the cork underlay.

Hørrning recommends HØRNING MS Flexlim III Eco.

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

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

Glueing the Wooden Floor

Refer to the installation instructions for the specific Hørrning wooden floor.

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Environment

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Emicode EC1 Plus certified.