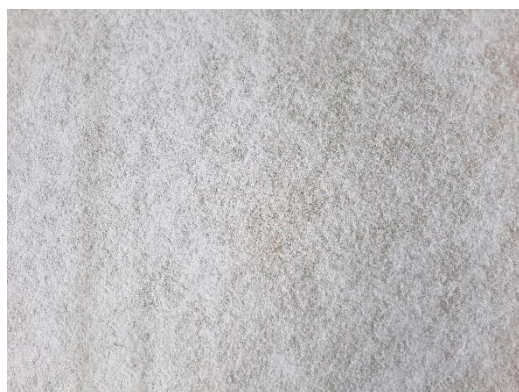




Bona U350

Decoupling Underlay



Bona U350 is a permanently elastic decoupling underlay for use beneath engineered wood flooring. Its special structure, consisting of a mineral core with fleece lamination on both sides, reduces shear and tensile forces between the wood flooring and the subfloor. Bona U350 provides impact sound reduction and can bridge stable hairline cracks in cementitious screeds.

- Decoupling and impact sound insulation in one
- Low installation height
- Bridges stable hairline cracks in the screed
- Easy to cut and install
- Very low emissions – EMICODE: EC 1^{PLUS}
- Easy installation due to panel format
- Suitable for full-surface bonding

Technical Data

Base: Mineral fillers and PUR binder with fleece lamination on both sides

Color: beige

Dimension: 750 x 500 mm (+/- 0.15 mm) = 0.375 m²

Board thickness: 3 mm (+/- 0.15 mm)

Basis weight: 3 kg/m²

Thermal insulation resistance: 0.01 m²K/W (according to EN 16354:2019-01)

Compressive strength: Up to 8 t/m² (according to EN 826, 250 Pa, at 0.5 mm deformation)

Impact sound reduction: Up to 18 dB*

Reaction to fire: EN 13501-1, Bfl-s1

EMICODE: EC 1^{PLUS}

Storage/Transport: Protect from moisture and direct sunlight. Store flat in a well-ventilated place.

Disposal: Wastes and packaging should be handled in accordance with local regulations

Shelf life: Unlimited when stored dry and flat.

Delivery form: 16 pc. Per box (6 m²), 30 boxes per pallet (180 m²)

*the specified impact sound reduction value is determined under standard laboratory conditions. Due to site-specific factors, including building construction, wood species, wood flooring type and climatic conditions, actual performance on site may vary. An on-site assessment is required to determine the effective impact sound reduction under real conditions.



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Subfloor Preparation

The subfloor must be level, dry, clean and physically sound. It must be free from dust, laitance, weak layers, residues and other contamination that may impair adhesion. Where applicable, the subfloor must comply with relevant local standards and codes of practice. If these conditions are not met, the subfloor must be suitably prepared and any deficiencies rectified prior to installation. All surfaces must be thoroughly vacuum cleaned prior to adhesive application.

Separating layers and contaminants, such as paints, varnishes, adhesive residues, old levelling compounds and floor coverings, must be mechanically removed.

Bona U350 is suitable for bridging stable, non-active hairline cracks in cementitious screeds. Structural or moving cracks must be repaired prior to installation.

The moisture content of the subfloor must be measured in accordance with local standards and codes of practice prior to installation.

Bona U350 is suitable for use on subfloors with underfloor heating. The total thermal resistance of the complete floor build-up, including the underlay and the floor covering, must not exceed 0.15 m²K/W.

Suitable Subfloors

- Cementitious screeds (CT) according to EN 13813.
- Calcium sulphate screeds (CA) according to EN 13813.
- Concrete.
- Mastic asphalt screed (AS) according to EN 13813 broadcast with quartz sand.
- New chipboards (P4-P7) or OSB/2 – OSB/4 boards, securely fixed.
- Other dry and sound subfloors such as gypsum fibre boards.

Installation instructions

Acclimatise Bona U350 boards in the installation area for at least 24 hours prior to installation.

Bona U350 must be fully bonded to the subfloor using a Bona silane adhesive suitable for wood flooring installation. The following adhesives are approved: Bona Quantum, Bona Quantum T, Bona R848, Bona R848T and Bona Titan. Use the same adhesive for subsequent bonding of the engineered wood flooring.

Apply the adhesive evenly to the subfloor using a Bona 1250F (TKB B11/18 according to ISO 6067) notched trowel. Apply only as much adhesive as can be covered within its open time.

Lay Bona U350 into the fresh adhesive with the printed side facing upwards and press down firmly over the entire surface to ensure full contact and complete adhesive transfer.

Install Bona U350 panels at 45–90° to the intended laying direction of the engineered wood flooring to avoid cross joints. Maintain a perimeter expansion gap of at least 5 mm to walls and fixed vertical elements.

After the adhesive has cured (typically 12–24 hours depending on adhesive and site conditions), the engineered wood flooring can be installed using the same Bona silane adhesive.

The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and extensive testing but makes no claim to be complete. Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice from Bona before use. Bona can only guarantee its products and not the construction as a whole. Observe the recommendations from the flooring manufacturer and the provisions of relevant standards.