



Bona U340

Decoupling board



Bona U340 is a polyester fibre board used as a stress relieving decoupling layer beneath wood flooring. It can be used on poor quality surfaces such as cracked or weak subfloors, and prior to installing solid parquet on dry screeds (precast screed panels) or particle boards. Its high compressive strength enables it to tolerate high loads (up to 5.0 kN/m²), making it suitable for domestic and commercial premises. In addition, it can reduce impact sound transmission. Bona U340 is resistant to moisture and fungal decay and, due to its low thermal resistance, it is suitable for use above waterborne underfloor heating systems.

- Stress relieving decoupling layer
- Resistant to moisture and fungal decay
- Suitable as height adjustment
- Bridges cracks and breaks in the subfloor
- Reduces impact sound transmission
- Easy to handle
- Very low emissions – EMICODE: EC 1^{PLUS}
- Suitable for traffic loads up to 5 kN/m²

Technical Data

Base: Polyester bonded fibre board.

Dimensions: 1000 mm x 600 mm x 4/9/12 mm

Compressive strength: (DIN 53456) 10 N/mm²

Bending strength: (DIN 53453) 2 N/mm²

Tensile Strength: (DIN 53457) 6.0 N/mm²

Weight: 4 mm = 3.1 kg/m²,

9 mm = approx. 6.0 kg/m²,

12 mm = approx. 7.5 kg/m² (± 5%)

EMICODE: EC 1^{PLUS}

Pack size: Single boards.

Flammability resistance: Efl (EN 13501-2)

Thermal conductivity: 4 mm, $\lambda = 0.11$ W/(m·K),

9 mm, $\lambda = 0.06$ W/(m·K), 12 mm, $\lambda = 0.07$ W/(m·K)

Storage/Transport: Store in a cool, dry, well-ventilated place. Do not store upright.

Shelf life: Unlimited.

Disposal: Product waste should be handled in accordance with local regulations. Dispose of

material in accordance with local standards and legal requirements.

Subfloor Preparation

The subfloor must be level, sound, dry and 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.

Bona U340 can provide moderate reinforcement of cracked or weaker subfloors. Where required, additional preparation such as grinding and the mechanical removal of weak layers may be necessary. The bonding surface should be slightly textured.

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This data sheet replaces all previous versions please check bona.com to ensure that you have the latest version



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Expansion joints must not be covered with Bona U340.

Mastic asphalt subfloors must be broadcast with quartz sand (0.3–0.8 mm). If in doubt, contact your local Bona Technical Support.

Bona U340 is suitable for use on subfloors with underfloor heating. Ensure that the total thermal resistance of the floor build-up, including the floor covering, does not exceed 0.15 m²K/W to avoid inefficient heating.

Suitable subfloors

Suitable for use on load-bearing subfloors in interior domestic and commercial environments, including:

- Cementitious screeds (CT) according to EN 13813
- Calcium sulphate screeds (CA) according to EN 13813
- Concrete
- Mastic asphalt screeds (AS) according to EN 13813
- Existing ceramic tiles
- Wood board subfloors, including chipboard and OSB
- Timber floorboards
- Renovation and refurbishment substrates of doubtful or variable quality, subject to assessment and adequate preparation.

Installation instructions

Bona U340 must be fully bonded to the subfloor using one of the following Bona silane adhesives: Bona R848, Bona R848T, Bona Quantum, Bona Quantum T or Bona Titan. Use the same adhesive to bond the wood flooring.

Pre-cutting the boards to the room dimensions is possible but not required. Where required, boards can be cut using a jigsaw with a fine wood blade or a circular saw. Leave an expansion gap of at least 5 mm to walls, skirtings and other fixed upstands.

Apply the adhesive to the subfloor using a Bona 1000G notched trowel. Apply only as much adhesive as can be covered within its open time.

Lay Bona U340 into the fresh adhesive and press down firmly to ensure full contact and complete adhesive transfer. Lay the boards at an angle of 45–90° to the intended laying direction of the wood flooring and avoid cross joints.

On problematic subfloors, additional dowelling at the board joints may be required, where appropriate. Maintain the expansion gap.

After the adhesive has cured, the wood flooring can be installed as normal. Where abrasion of the wood flooring is required, allow a minimum of 24 hours before carrying it out.

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 make 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 recommendations from the flooring manufacturer and the provisions of relevant standards.