

Bona U340

Decoupling board

Bona U340 is a polyester fibre board to be used as a stress relieving decoupling layer below floor coverings such as parquet and other floor coverings. It can be used on poor-quality surfaces, like cracked or weak subfloors, or before the installation of solid parquet types on dry screeds or particle boards. The high compressive strength renders it capable of tolerating high loads (up to 5.0 kN/m²). It is suitable for use in domestic and commercial premises. Additionally, the impact sound becomes reduced. It is unaffected by damp and fungal decay. Due to its low heat transmission coefficient Bona U340 may even be installed on warm-water floor heating.

- Stress relieving
- Water and rot proof
- Suitable as height adjustment
- Bridges cracks /breaks in the subfloor
- Reduces sound transmission
- Easy to handle
- Very low emissions – EMICODE EC1 Plus
- Traffic load up to 5 kN/m²

Technical Data

Product/material:	Polyester bonded fibre board
Dimensions:	1000 x 600 x 4, 9 and 12 mm
Weight:	4 mm = 3,1 kg/m ² , 9 mm = ca. 6,0 kg/m ² (± 5%)
Compressive strength:	(DIN 53456) 10 N/mm ²
Bending strength:	(DIN 53453) 2 N/mm ²
Tensile strength:	(DIN 53457) 6,0 N/mm ²
Floor-load capacity:	5,0 kN/m ²
Thermal conductivity:	4 mm = λ 0,11 W/(mK), 9 mm = 0,06 W/mK
Fire classification	E (fl) acc. to EN 13502-2:
Moisture absorption at water storage:	max. 65 mass %
EMICODE:	EC1 Plus
Storage:	Store in a dry and good ventilated place, do not store vertical
Shelf life:	unlimited
Pack size:	Single boards
Disposal:	Dispose material according to your local standards or legal requirements

Subfloor Preparation

The subfloor must be dry, even and free from any contaminants which may affect the bonding strength of the applied adhesives. The surface should also be slightly textured. Check the subfloor thoroughly, it must meet the requirements of local standards or codes of practice. Bona U340 can improve the subfloor condition up to a certain level. If in doubt may other preparations such like grinding and the mechanical removal of weak layers might become necessary. Depending on the type of subfloor and the chosen adhesive the usage of a suitable primer is needed. Remove loose dirt and dust by the usage of a strong vacuum unit prior to the installation.

Suitable Subfloors

- Cement (CT) or Calciumsulphate (CA) screeds accor. to EN 13813
- Concrete
- Dry screeds (gypsum boards)
- Particle boards (fixed OSB, chipboards plywood)
- Plank floorings (even and screwed)
- Mastic asphalt screeds (AS) accor. to EN 13813
- Other dry and sound subfloors

24.06.2021

With the publication of this data sheet all previous product information on this product lose their validity



Technical Data Sheet

Fastening



Processing

Pre-cutting the boards according to the room dimension is possible but not required. If so, the boards can easily cut by using a jigsaw with fine wood saw blade or a buzz saw. Make sure to leave a sufficient expansion gap of at least 5 mm towards walls, skirtings, and other rising building parts.

Apply a suitable Bona adhesive* on the floor by using the Bona trowel 1000G. Apply only so much adhesive as boards can be laid in during the respective open time of the adhesive.

Lay down Bona U340 into to the wet adhesive and press down firmly. Ensure adequate contact of the panels with the adhesive and the substrate. With problematic substrates the panels can also be dowelled at their edges. Leave a sufficient expansion gap! Lay in a direction which is oblique or diagonal to the direction of the wood flooring. Avoid cross joints!

After 12-24 hrs. the wooden floor can installed, depending on the curing time of the used adhesive. Use the same adhesive as you have used for the board installation.

Consumption

Adhesive consumption ca. 1000 g/m²

Important Notes Suitable

- *Suitable adhesives are: Bona R848/R848T, Bona Quantum/Quantum T, Bona Titan, Bona R777 and R778.
- Use the for the parquet installation the same adhesive as you have used for the board installation
- Sanding of the wooden floor should be carried out earliest 24 hrs. after installation!
- Building expansion gaps must not be covered with Bona U340
- Mastic asphalt floors must be well sanded. As the circumstances require a special pre-treatment is necessary. Please get in contact with your local Bona service technician
- Information provided on the technical date sheet of the respective Bona products must be respected
- The product can be installed on heated subfloors. Take particularly note that the max. thermal insulation resistance incl. the floor covering does not exceed 0.15 m² K/W to avoid inefficient heating.

Bona takes only responsibility for the delivered product, no responsibility can be taken for the total installed product. If in doubt, conduct a test or a trial. Observe also other Bona product datasheets.

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