



Bona U300

Sound decoupling matting



Bona U300 is an underlayment made of fine granules of PU foam with cork and PU elastomer bonding agent. Used under parquet, laminate floors and other floor coverings it will reduce the transmission of sound from footfall. If the underlayment is bonded by adhesives both to the subfloor and the parquet, it can reduce the stresses on a (weak) subfloor.

- Easy to lay
- Improvement of walking and living comfort
- Low VOC product

Technical Data

Base: Fine granules of PU foam with cork and PU elastomer bonding agent

Color: Brown (cork), black/grey/beige/brown (PU foam). Color is going to change under sun light. This has no effect on the quality or neither the technical properties.

Tensile strength: approx. 0.8 N/mm²

Density: 550 kg /m³

Elongation at break: approx. 30 %

Thickness: 2, 3 and 5 mm (± 0.3 mm)

EMICODE: EC1 Plus

Heat transfer resistance: 0.04 m²K/W for 3 mm

Flammability resistance: Efl (EN 13501)

Impact sound improvement*:

ΔLW = 16 dB** with 2 mm under 10 mm engineered parquet

ΔLW = 18 dB** with 2 mm glued under 10 mm parquet block

ΔLW = 18 dB** with 3 mm glued under 16 mm Parquet block

ΔLW = 19 dB** with 2 mm glued under 10 mm

Pack size:

2 mm: 1,00 m x 30 m

3 mm: 1,00 m x 20 m

5 mm: 1,00 m x 16 m

Storage/Transport: The temperature must not fall below +10°C or exceed +25°C during storage and transport. Store in a cool, dry, well-ventilated place.

Disposal: Product wastes should be handled in accordance with local regulations.

Subfloor Preparation

The substrate must be even, totally dry, clean, free from cracks, physically sound and have a slightly textured surface. If necessary, it should be professionally prepared for laying.

Processing

Loose laid installation:

Bona U300 can be used also for the sound insulation for floating wooden floors. Lay



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Bona U300 on the floor without overlapping and cut it to the shape of the room.

Fully bonded installation:

Lay Bona U300 at an angle of 45-90° to the intended laying direction of the floor. Lift a section approx. half its length and apply the adhesive on the exposed subfloor. Re-lay Bona U300 within the open time of the adhesive and press firmly. Proceed in this way until Bona U300 is completely adhered to the subfloor. Apply the adhesive using a notched trowel Bona 850G. In case of coarse and weak surfaces a notched trowel with higher teeth like Bona 1000G is recommended. After the adhesive has set, the parquet can be laid and adhered to the Bona U300 in the usual way. For rooms wider than 5 m expansion joints should be installed.

The following adhesives are recommended to glue down Bona U300 to the subfloor:

- Bona R777 / R778
- Bona Quantum/Quantum T
- Bona Titan

Use the same adhesive for the following parquet installation!

Suitable parquet types

- Block parquet
- Solid timber strips / planks
- Engineered multi-layered parquet
- End grain (use only Bona U300 3 mm)
- Parquet floors without groove and tongue - use Bona U300 2 mm only

Please also refer to the instructions for use provided by the parquet or flooring manufacturer.

* Test carried referring to DIN EN ISO 10140 (Bona U300 glued down, parquet installed loose laid)

**Please note, that the given impact sound reduction values are based on laboratory tests, carried out under standardized conditions. Due to the building's specific acoustic properties, wood species, parquet type, and climate conditions etc. they do not reflect the true conditions on site. To determine the effective level of sound reduction, an onsite inspection under real conditions is necessary.