WOOD FINISHES DIRECT

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For purchasing information visit:
Bona R848 Floor Adhesive

Bona R848

Performance for modern needs

Bona R848 is an, according to DIN EN ISO 17178, hard-elastic 1-component silane-based adhesive for dimensional stable multi-layered, engineered parquet. Tensions to the sub floor are reduced. The use of a primer is in general not necessary. The adhesive hardens by a chemical reaction with moisture.

- Rapid initial bonding strength
- Water and solvent free, nearly no swelling of the wood
- Good adhesion to almost all substrates and timber materials
- Splashed material can be easy removed
- Allows load after 24 hours
- Firm texture – retains trowel pattern
- Very low emissions, EC1 Plus

Technical Data

Base: Silane modified-prepolymer.
Color: Beige
Viscosity: Easy to apply
Open time: ca. 30 min*
Pot life: n.a.
DIN EN ISO Category: Hard-Elastic
GISCODE: RS 10
EMICODE: EC1 Plus
Affset: A+
DIBt: Z-155.10-128
Cleaning agents: Bona Cleaning Wipes, Bona S100, acetone, ethanol. Hardened adhesive can only be removed mechanically.
Curing time: 24 to 48 h* walkable: after ca. 12 hrs.*
Surface treatment: after ca. 24 hrs.*
Storage/Transport: The temperature must not fall below +5°C or exceed +25°C during storage and transport. Store in a cool, dry, well ventilated place.
Pack size: 15 kg bucket & 1-, 4.5- and 9 kg tubular bags

Shelf life: 12 month / tubular bags 24 months from date of production in unopened original container/tubular bag
Disposal: Wastes and emptied container/tubular bags, should be handled in accordance to local regulations
* at 20°C and 55 % rH.

Additional detailed information is noted in the appropriate Safety Data Sheet.

Subfloor Preparation

The substrate must in general be even, dry**, clean, free from cracks and physically sound. The surface should also be slightly textured. Thoroughly vacuum off loose material and dust. If applicable, it must meet the requirements of local standards or codes of practice (e.g. DIN 18356 “Working with wood flooring”, Ö-Norm B2218). If necessary, it should be professionally prepared for laying. Separating layers, adhesion reducing layers such as paints, varnishes

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and adhesive residues, old levelling compounds, old floor coverings etc. must be sufficiently removed by brushing, abrading, grinding or shotblasting.
The use of a primer is typically not needed. If the sub floor is problematic (weak, high residual moisture content, etc.) the use of a primer like Bona D501, R540 or R590 can improve it. Uneven substrates must be levelled with Bona H600, H610 (filling of holes), or H660. If in doubt, get in contact with your local Bona technical service. Note: Bona R848 is suitable in association with under floor heating. Such floors need to pass the heating up protocol to drying up the screed! During installation and three days after the screed temperature must not pass 25°C!

**moisture reading of the subfloor must be carried out in correlation with local standards and codes of practice (e.g. ASTM F 2170 Test Method, BS 8201:2011, TKB KRL method, CM-measurement, etc.)

Suitable Subfloors

- Cementitious screed (CT) according to EN 13813
- Calcium sulfate screed (CA) according to EN 13813
- Floors levelled with levelling compounds (at least 2 mm thick, resistant against plasticizer migration)
- New chipboards (P4-P7) or OSB 2 – OSB 4 boards, screwed tightly
- Other dry and sound sub floors such like gypsum fibre boards
- Mastic asphalt screed (AS) according to EN 13813 and other sub floors which are affected by migration of plasticizers must get a protective layer of Bona R410 or Bona R540
- Concrete

Processing

Before using the adhesive, the following climatic conditions must be met (values for Central Europe): Air temperature: min. 18°C; Floor temperature: min. 15°C (with underfloor heating max. 20 °C); R.H: max. 70 %. The adhesive itself must, if necessary, be brought to the right temperature. After opening the bucket remove the protective foil and hardened adhesive at the edges. The adhesive should be applied evenly using a notched trowel appropriate to the flooring being laid (see below). The parquet should be laid on the adhesive and pressed down firmly during the open time, approx. 30 minutes. If on the sub floor applied adhesive has a skin, remove adhesive, and apply new. If some adhesive is pressed up in joints (so that it might come into direct contact with the finish) it must be carefully removed. Adhesive spills on prefinished surfaces should be removed with Bona Cleaning Wipes.

Depending on the expected average conditions the parquet needs, for the best adhesion, the correct moisture content of the wood to be selected. Solid wood parquet should be slightly more humid whilst multi-layered or prefinished parquet should be slightly drier. E.g. in Central Europe average room conditions of 20°C and 50 % relative air humidity can be expected. Prefinished parquet shall have in average 8 %, solid parquet 9 %. Typical deviations from the average are +/- 2 %. Where doubts exist, avoid too dry material. Please also refer to the instructions for use provided by the parquet manufacturer.

Consumption & Parquet Types

Bona Trowel 850F or 850G
(TKB B3/B6, ISO 6076 12T/11T)
Usage: approximately 850 g/m²
Mosaic parquet

Bona Trowel 1000F or 1000G
(TKB B8/B10, ISO 6076 14T/16T)
Usage: approximately 1000 g/m²
2-layered prefinished parquet

Bona Trowel 1250F or Bona 1250G
(TKB B11/13, ISO 6076 16T/20T)
Usage: approximately 1250 g/m²
3-layered prefinished parquet

Use a fine trowel for small pieces of wood and/or smooth substrates, and a coarse trowel for large

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pieces of wood and/or less smooth and rough surfaces.The adhesive consumption during the application with the Bona OptiSpread system depends mainly on the walking speed. Please refer to respective machine manual.

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.