Technical Data Sheet

BONA **R848T**

PERFORMANCE FOR **MODERN NEEDS**



Bona R848T is a higher viscous version of Bona R848. The, according to DIN EN ISO 17178, elastic 1-component silane-based adhesive signalizes by its improved rib stability and the quick initial bonding strength and can be used for the installation of engineered parquet floors as well as for dimension stable solid elements like parquet strips or mosaic parquet. The risk of forming hollow spots will be minimized. Tensions to the sub floor are reduced. The use of a primer is in general not necessary.

- Improved rib stability
- Rapid and high initial bonding strength
- Suitable for dimension stable solid parquet elements
- Water and solvent free, nearly no swelling of the wood
- Good adhesion to almost all substrates and timber materials
- Splashed material can be easily removed
- Very low emissions, EC1 Plus

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Base:	Silane modified-prepolymer
Color:	Beige
Open time:	ca. 30 min*
DIN EN ISO 17178:	Elastic
GISCODE:	RS 10
EMICODE:	EC1 Plus
Affset:	A+
Cleaning agent:	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.*
Sanding:	after ca. 24 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 & various tubular bags sizes
Shelf life: Bucket:	12 month / tubular bags 24 month 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 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 R848T 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!

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**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 850 F or 850 G
Usage: approximately 850 g/m²
Mosaic parquet

Bona Trowel 1000 F or 1000 G
Usage: approximately 1000 g/m²
2 layered prefinished parquet

Bona Trowel 1250 F or Bona 1250 G
Usage: approximately 1250 g/m²
15 - 22 mm strip flooring
23 mm industrial parquet
3 layered prefinished parquet

(F = fine, G = coarse)

Use a fine trowel for small pieces of wood and/or smooth substrates, and a coarse trowel for large 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 as well as the adjusted air pressure (OptiSpread 100, OptiSpread 2.0). Please refer to respective machine manual.

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Surface Treatment

Sanding and the application of a surface coating may be carried out after after 24 hours. After 24-48 hours it is possible to apply load or stress to the floor.

Please note that low temperatures and low humidity will decelerate whilst high temperatures and high humidity will accelerate the curing speed and installation time.

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.

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