



HARD

Technical Data Sheet

Bona Titan

Hard Parquet Adhesive

Bona Titan is an accord. to ISO 17178 hard formulated silane based adhesive with the new revolutionary titanium technology, for a wide field of wooden floor installation jobs. Bona Titan ensures a proper crosslinking even under weird conditions without adding a hardener or an external crosslinking agent. The shear resistance bonding ensures a stabilization of wooden floors, in particular solid elements. A primer is typically not needed. The fast initial bonding strength in combination with rigid adhesive ribs reduces the risk of hollow spots by far. Pressed up adhesive in joints, shows no risk of discoloration or interactions with lacquers or oil systems.

- Extreme high initial bonding strength
- Very quick setting, allows to sand floors after 12 hrs.
- Shear resistance bonding for all kind of wooden floors (hard accord. to ISO 17178)
- Innovative Titanium crosslinking technology, ensures a proper crosslinking even under weird conditions
- Perfect for oversized solid boards
- Quick processing on Bona R540 (ca. 6 hrs.) or Bona R590
- No addition of liquid extenders or components who can migrate after curing
- Very low emissions EC1-RPlus
- Greenguard Certified
- Can be used without a primer
- Suitable for all physically sound subfloors
- No discoloration or interactions with lacquers or oil systems

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Base: silane modified-prepolymer

Colour: beige

Viscosity: Easy to apply - stable

Density: 1.7 g/cm³

Open Time: ca. 30 min*

ISO 17178 category: Hard

GISCODE: RS 10

EMICODE: EC1-RPlus

DIBt Approval: Z-155.10-482

Greenguard: Product certified for low chemical emissions

Cleaning agent: Bona Cleaning Wipes, Bona S100, acetone, ethanol. Hardened adhesive can only be removed mechanically.

Curing time: 12 to 24 h

Surface treatment: Depending on air humidity and the moisture content of the materials between 12 and 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

Shelf life: Buckets: 12 months from date of production in unopened original container

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, totally dry, clean, free from cracks and physically sound. The surface should also be slightly textured. If applicable, it must meet the requirements of local standards or codes of practice. If necessary, it should be professionally prepared for laying. A primer is typically not needed. If the sub floor is problematic the use of a primer (e.g. Bona R590) can improve it. Uneven floors should be levelled with Bona H600, H610 (filling of holes), H660 or H670. Note: Bona Titan is

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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!

Suitable Subfloors

- Cementitious screed (CT) according to EN 13813. In case of accelerated systems, please get in contact with your local Bona technical support.
- Floors levelled with levelling compounds (at least 2 mm thick)
- Calcium sulfate screed (CA) according to EN 13813
- Chipboard, OSB board
- Other dry and sound sub floors
- Mastic asphalt screed (AS) according to EN 13813 (well sanded)

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 a finish or oil) remove it carefully or make sure that the adhesive is sufficient cured before you apply the surface treatment. 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

10 mm industrial parquet, mosaic parquet

Usage: approximately 850 g/m², Bona Trowel 850 F or 850 G

2 layered prefinished parquet, 16 mm industrial parquet solid parquet, tapis

Usage: approximately 1000 g/m², Bona Trowel 1000 F or 1000 G

22 mm strip flooring

23 mm industrial parquet

3 layered prefinished parquet

Usage: approximately 1250 g/m², Bona Trowel 1250 F or Bona 1250 G

Solid planks

Usage: approximately 1500 g/m², Bona Trowel 1500 F or Bona 1500 G

(F = fine, G = coarse)

Note: Bona Titan can also be used for the installation of wood blocks RE (DIN 68702) with a maximum thickness of 30 mm. Please get in contact with the Bona technical department before the installation.

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.



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Surface Treatment

Sanding and the application of a surface coating may be carried out after after 12-24 hours. Prefinished floors can be carefully used after 6 hrs. After 24 hours it is possible to apply fully load or stress to the floor. The curing time depends on the type of parquet, the absorbency of the substrate and the climate conditions.

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.

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