

Bona R870T

Technical data sheet

Bona R870T is a strong and stabilizing 1-component silane-based adhesive for all types of parquet floors. The product consists of pure binder and is able to withstand extreme thrust during wood expansion/shrinkage making it particularly suitable for gluing down large sized solid parquet floors and "tapis parquet". Bona R870T can be used without primer provided subfloor conditions are good. Designed to be used with the Bona Optisread 2.0 for quick and ergonomic application.

- Extreme strength for all types of parquet
- Contains no plasticizers or liquid extenders
- Causes no wood swelling
- Rapid initial bonding strength
- Firm texture – retains trowel pattern
- Adhesive spills are easily removed
- Classified "Hard" according to EN 14293

Technical data

Product base:	Modified Silane prepolymer
Colour:	Beige
Viscosity:	Thick
Density:	1.72 g/cm ³
Cleaning:	Wipe off spills directly with Bona Hand & Tool Cleaner. Hardened adhesive can only be removed mechanically.
Open time:	Approx. 40 minutes
Drying time:	24-48 hours depending on air humidity and moisture content of the materials.
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.
Shelf life:	15 months in unopened original sausage
Pack size:	4 x 2810 ml tubes (ca. 4,8 kg per tube)

Additional information is noted in the appropriate Safety Data Sheet.

Preparations

Substrate must be even, dry, clean, free from cracks and in physically sound condition. Surface should also be slightly textured. If applicable, it must meet the requirements of local standards or codes of practice.

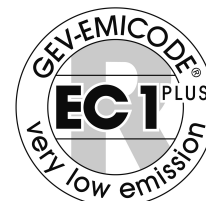
If necessary, the substrate must be professionally prepared for laying. It is typically not required to pre-treat the surface with a primer but Bona D501 can be used to bind any possible surface dust. If subfloor has a weak surface or requires a dampproof membrane then either Bona R410 or Bona R540 should be used. Uneven floors should be levelled with Bona H600.

Observe! R870T can be applied directly over R410 provided this is done within 24 hours. If the parquet will be glued down at a later stage then quartz sand must be broadcasted into the wet R410 to secure proper adhesion of the following adhesive.

Suitable substrates (also in association with underfloor heating) are:

- Cementitious screed (CT) according to EN 13813
- Floors levelled with levelling compounds (at least 2 mm thick)
- Calcium sulfate screed (CA) according to EN 13813
- Chipboard (V100)
- Other dry and sound sub-floors
- Mastic asphalt screed (AS) according to EN 13813

Fastening



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Fastening



Application

Before using 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)
- Relative air humidity: max 70%

Adhesive must, if necessary, be brought to the right temperature to ensure proper function with the Bona OptiSpread 2.0. Trowel application is not recommended due to the adhesive's thick consistency. Parquet should be laid and pressed down firmly during the adhesive's open time (approx. 40 minutes). Remove adhesive that has had time to form a skin and replace with new adhesive.

After 24 to 48 hours it is possible to apply load on the floor. Sanding and surface treatment may be carried out after 1 to 4 days depending on parquet type, absorbency of substrate and general room climate.

Consumption/parquet types

Moisture content of the wood to be laid should be correct in relation to the expected average site conditions to ensure lasting results without excessive wood movement. In Central Europe, average room conditions of 20°C and 50 % relative air humidity can be expected. Under these conditions, solid wood parquet should have an average humidity of 9% whereas multi-layered and prefinished parquet should have an average humidity of 8%. Typically, +/- 2% deviations are accepted. Where doubts exist, avoid using too dry or too moist material.

The below consumption values are general recommendations, please also refer to parquet manufacturer specific recommendations.

Application	Consumption g/m ²
Mosaic parquet and similar 1-layered prefinished parquet	850
2-layered prefinished parquet	1000
22 mm strip flooring 3-layered prefinished parquet, boards	1250
Solid planks (with tongue & groove)	1500

ATTENTION!

The application rate of Bona OptiSpread 2.0 is governed by the adjusted air pressure and the walking speed of the applicator. For more information on how to use Bona OptiSpread, see separate technical data sheet.

Bona can only take responsibility for the delivered product - no responsibility can be taken for the total installation. If doubt exists as to the suitability of the product to current site conditions, conduct a test before use. Information from other Bona product datasheets should be observed when and where appropriate.