

Bona R580

Technical data sheet

Bona R580 is water and solvent free silane based compound for priming and/or sealing the residual moisture in the substrate (up to 5%CM. / 90 %RH.) before installing a wooden floor.

Optimal as part of a system in conjunction with Bona R850, R850T. Also compatible with other Bona Silane based wooden floor adhesives like Bona R844, R845, R848 or Bona R860. **Note:** Bona R860, R844, R848 and R845 have a higher water permeability.

Suitable to apply before using Bona levelling compounds

Note: Although Bona silane-based adhesives can be applied directly onto R580, before applying levelling compounds a broadcasting of sand in the wet R580 **must** be made to ensure successful bonding.

- One-Component
- Single coat application
- Fast setting
- Trowel easy application
- Can be used as a two component system to gain even shorter setting time, by adding and mixing 1% water (weight)
- Not hazardous, safe handling and transport without constraints

Note: Where subfloors require levelling as well as a moisture barrier, Bona recommends that the moisture barrier is installed **first** and then levelling compound applied. This is to ensure compatibility; not all levelling compounds are suitable for use beneath a moisture barrier/DMP & some may contain additives which may reduce the adhesion of the R580 to the surface e.g SBR. Where there is doubt perform an adhesion test.

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Base:	Silane-based moisture barrier/primer
Colour:	White
Viscosity:	Easy to apply-stable
Density:	1.25g/cm ³
Drying time, until: (1-component)	- Application of Bona silane-based adhesive: approx 6 hours* -Application of levelling compound:8-12 hours* (Note: sand must be broadcasted into wet R580)
Application tools:	Fine-toothed trowel (A3)
Application rate:	See Treatment Schedule, below
Cleaning agents:	S100, acetone and ethanol, white spirit
Safety	According to EU law the product is non-hazardous
Shelf life:	6 months
Storage/transport:	The temperature must not fall below +5°C or exceed +25°C during storage or transportation. Store in cool, dry, well ventilated area.
Disposal:	Wastes and emptied containers should be handled in accordance with local regulations.
Pack size:	7kg bucket (60 per pallet) 6kg bucket (60 per pallet)

Note: The 6kg bucket includes a sachet of water for mixing into R580 if used as a 2 component system (accelerated drying).

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

Fastening



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**under normal climatic conditions, 20°C/60% R.H.*

Fastening



Preparation

The substrate must be even, clean, free from cracks and physically sound. Prior to application the floors must always be sanded, any laitance on top of the floor must have been removed. With concrete subfloors shot blasting may be necessary. The surface should not appear "obviously wet". If necessary it should be professionally prepared for laying.

Note: R580 cannot be used onto a subfloor where bitumen is present. The subfloor should be mechanically prepared to ensure **all** traces are removed prior to application.

If the floor is uneven and levelling with a levelling compound (e.g.H650) is needed, the R580 should be applied **first** at a coverage rate of approximately 500 g/m². Afterwards quartz sand (grain size: 0.3 to 0.8 mm) should be broadcasted in excess (~ 2 kg /m²) into the fresh, wet primer.

After hardening, surplus sand shall be removed by buffing, sweeping and vacuum cleaning, then the levelling compound can be applied.

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

Cementitious screed (CT) according to EN 13813

Concrete floors

Calcium sulphate screed (CA) according to EN 13813 (**only as a primer, not as a moisture barrier!**).

Note: Not all levelling compounds are suitable for use beneath a moisture barrier/DPM, if in doubt consult the manufacturer.

Application

Before using the primer 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 product is protected by a foil, which must be removed together with any small amounts of hardened material prior to use. With the 6kg container, the little bag on top of the foil contains water, which can be added to the product if used as a 2-component system.

Use as a 1 Component System:

The primer should be applied evenly using a notched trowel (TKB A3) or a flat trowel. To act as a damp proof membrane the consumption must be between 500 & 1000 g/m². After approximately 6 hours setting time (the surface might still be sticky!), the parquet can be laid **providing** a Bona silane-based adhesive is used e.g.R850).

Use as a 2-Component System:

Add , while stirring , to the primer the total or parts of the content of the sachet found on top of the foil (only for the 6 kg 2-C package!).

Larger amounts of water lead to an acceleration of the bonding process, lower amounts make the bonding process slower (for more detail see the table below). After mixing cross-linking starts, the material has to be applied to the substrate inside the pot-life time of **20 mins.** and has to be spread. If sand is to be broadcasted, it should be done in the following 20 min.

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After 4 hours the material has set, the Bona silane-based adhesive can be spread on top and parquet can be laid.

Water in %	Water in g/(6 kg)	Pot-life time / min
0.5	30	40
1.0	60 (content of the bag)	20
1.5	90	2

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Fastening



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