

# Bona R580

## Silane Based Moisture Barrier

Bona R580 is a 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, R848/R848T, Bona R860 or Bona R870. Note: Bona R848/R848T and R860 have a higher water damp permeability.

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.

- Quick and easy application with a trowel
- Rapid setting
- Easy to use
- Quick drying

### Technical Data

Product type: Silane based

Colour: White

Viscosity: Easy to apply – self levelling

Density: 1,25 g/cm<sup>3</sup>

Drying time: ca. 4-6 hrs.\*

Cleaning agents: Bona Cleaning Wipes, S100, acetone, ethanol, white spirit. Set material can only be removed mechanical.

Storage / transport: The temperature must not fall below +5°C or exceed +25°C during storage and transport.

Store in a dry, well ventilated place.

Shelf life: 12 months\*\*. If the product has settled out after longer storage times, stir thoroughly prior to use.

Pack Size: 7 kg plastic pail

Additional detailed information is noted in the Safety Data Sheet.

\* 20°C and 50 % rH.

### Subfloor 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.

### Suitable Subfloors

- Cementitious screed (CT) according to EN 13813
- Concrete floors

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# Technical Data Sheet

Fastening



## Processing

If the floor is uneven and levelling with a levelling compound (e.g. H600) is needed, the R580 should be applied first at a coverage rate of approximately 500 g/m<sup>2</sup>. Afterwards quartz sand (grain size: 0.3 to 0.8 mm) should be broadcasted in excess (ca. 2 kg/m<sup>2</sup>) into the fresh, wet primer.

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

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 little amounts of hardened material prior to use. The primer should be applied evenly using Bona 500F trowel (TKB A3) or a flat trowel. To act as a damp proof membrane the consumption must be between 500 ... 1000 g/m<sup>2</sup>. After ~ 4-6 hours setting time (the surface might still be sticky!), the parquet can be laid. In case sand has to be broadcasted, it should be done in the following 20 min.

## Consumption

Ca. 500 - 1000 g/m<sup>2</sup>

## Drying time

Approx. 4-6 hrs.

\*\*Drying time can extend by aging of the material. If in doubt let the primer allow to dry for at least 8 hrs.

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.

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