

Bona R540

Technical data sheet

Fastening



Bona R540 is a 1-component polyurethane reactive primer, used on absorbent and non-absorbent sub floors before the use of Bona parquet adhesives, Bona R770, Bona R777, Bona R778, Bona R844, Bona R848, Bona R845, Bona R850, Bona R850T, Bona R860 and Bona R870T. The product can also be used for damp proofing concrete floors and substrates up to 4 CM%.

- 1-Component
- Easy to apply
- Very good adhesion to all kinds of sub floors
- High penetration
- Suited for underfloor heating

Technical data

Product base:	PolyisocyanatPrepolymer
Colour:	Transparent brown
Viscosity:	Thin liquid
Coverage:	Approx. 100-150g/m ² (primer) Approx. 250-350g/m ² (damp Proofing up to 4 CM%)
Density:	1.14 g/cm ³
Cleaning:	S100. Bona R540 can only be removed mechanically when hardened.
Drying time:	Between 1-24 hours-(see Application)
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:	12 months in unopened original container.
Pack size:	6 kg canisters (3 per carton), 132 per pallet

Additional information is noted in the appropriate Safety Data Sheet.

Preparations

The substrate must be even, totally dry, clean, free from cracks and physically sound. The surface should also be slightly textured. If necessary it should be professionally prepared for laying.

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

- Cementitious screed (CT) according to EN 13813
- Concrete floors
- Calcium sulfate screed (CA) according to EN 13813 (only as a primer, not as a DPM!).
- Mastic asphalt screed (AS) according to EN 13813
- Floors levelled with levelling compounds (at least 2 mm thick),
- Chipboard (V100)
- Magnesia floors

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 under floor heating max. 20°C), R.H: max 70%

The primer itself must, if necessary, be brought to the right temperature. Apply the primer evenly to the substrate using a brush or roller. N.B. Avoid the formation of pools. Allow to dry to a transparent film. Occasionally, foaming can happen, due to high consumption. Please see minimum drying time for the different adhesives in the table below:

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Bona R770/R777/R778: 1 h

Bona R845/R870T: 4 h

Bona R844/R848/R850/R850T/R860: 24 h

Can be used as a moisture barrier up to 4CM%, by applying a second layer of Bona R540 within 24 hours.

High rel. air humidity and temperature will shorten the drying time- low air humidity and temperature will make it longer to dry. When in doubt a longer drying time is recommended.

Consumption

Approx. 100-150g/m² (primer)

Approx. 250-350g/m² (damp Proofing up to 4 CM%)

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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.