



## BONA R540

Bona R540 is a 1-component polyurethane reactive primer and moisture barrier designed for use on absorbent and non-absorbent sub-floors before the application of Bona adhesives; Bona Quantum T & Bona R820.

- 1-Component
- Easy to apply
- Good adhesion
- High penetration
- Suited for underfloor heating

### Technical data

Product type:	Polyurethane resin
Colour:	Transparent brown
Viscosity:	Thin liquid
Density:	1.14 g /cm <sup>3</sup>
Application tools:	6 mm nap roller or brush
Application rate:	Primer - approx. 100 - 150 g/m <sup>2</sup> (10 – 6.5 m <sup>2</sup> / kg) Moisture barrier - approx. 250 - 350 g/m <sup>2</sup> (4 – 2.75 m <sup>2</sup> / kg) NB. The coverage noted is per application and is dependent upon the porosity and physical condition of the substrate
Safety:	Please consult the Safety Data Sheet
Cleaning:	Acetone or Ethanol when wet. Can only be removed mechanically when hardened
Overcoating time:	After approx. 3 - 4 hours a 2 <sup>nd</sup> application may be made if required
Drying time:	24 hours; at this time timber may be installed using Bona Quantum T / R820 (At 20° C / 60% RH; High humidity and / or low temperatures will extend drying times)
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

### Preparation

The substrate must be even, dry to the touch, clean, free from cracks and physically sound. It should be slightly textured. If necessary it should be professionally prepared for laying.

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

- Cementitious screed
- Concrete
- Floors levelled with levelling compounds (at least 2 mm thick),
- Particle board (yellow tongue, etc.) / plywood / etc. (as primer only)

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## Treatment schedule

### Primer

Absorbent surfaces - 1 application

Very absorbent surfaces – 2 applications

### Moisture barrier

To 90% RH: 1 application + Bona Quantum T or Bona R820

To 95% RH: 2 applications + Bona Quantum T or Bona R820

When used as a moisture barrier at least 24 hours must elapse before flooring is installed using Bona Quantum T or Bona R820.

**NB.** It is important that measurement of the moisture content of the floor is carried out to a high standard. Assessment of the suitability and selection of a treatment schedule is the responsibility of the flooring contractor. A specification with a greater level of protection against moisture should be used where doubt remains regarding the moisture content of the floor

## Application

For optimum performance the following climatic conditions should be met.

- Air temperature: min. 18° C
- Floor temperature: min. 15° C (underfloor heating max. 20° C setting)
- R.H: max. 70 %

**NB.** High temperatures and low humidity will shorten the drying time whilst low temperatures and high humidity will lengthen the drying / curing time. When in doubt a longer drying time is recommended.

Allow Bona R540 to reach room temperature before use.

Apply Bona R540 evenly to the substrate using a brush or roller. Avoid the formation of pools. Allow to dry to a transparent film. Occasionally, foaming may be seen due to a very absorbent substrate causing high consumption. If this occurs care must be taken to ensure the applied coat is even in appearance. If required, an additional coat should be applied.

Where 2 applications of Bona R540 are needed, apply in alternate directions at 90° to each other to ensure that complete coverage is achieved.

## Important notes

The information provided is prepared to the best of our current knowledge and makes no claim to be complete. The User is responsible for establishing that the product and recommendations herein are fit for the designated purpose, wood type and present situation before use.

Bona can only guarantee the delivered product. A professional and thereby successful application of the product is beyond our control. If in doubt, make a preliminary test. The User is required to read and understand all information contained on package labels and safety data sheets before using this product.

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