

Bona R880

Technical data sheet

Bona R880 is a silane-based construction adhesive that can be used on building projects for many types of bonding applications. It is ideal for fixing hollow spots, skirting boards and stair steps/treads etc. It does not contain plasticizers. With its extreme high "green" strength and extreme rapid bonding it is specially designed for repair work for silane bonded wooden floors or the installation of skirting boards. The bonding process can be accelerated, by spraying little amounts of water on the substrate or spread adhesive. The use of a primer is in general not necessary.

- Extremely quick setting, can be varied by user
- Extremely high initial tack
- Contains no plasticizers
- Soft elastic but high strength
- Water and solvent free
- Good adhesion to almost all substrates and timber materials
- Splashed material can be easily removed
- Firm texture, good 'grab'

Technical data

Base:	Silane modified prepolymer
Colour:	Cream
Viscosity:	Easy to apply-stable
Density:	1.4g/cm ³
Open time:	Approx 10 mins* (reduced if water is used)
Drying time, until:	- Application of load: 6-12 hours*
Application tools:	Apply with cartridge gun
Application rate:	See Treatment Schedule, below
Cleaning agents:	S100, acetone and ethanol
Safety	R-phrases: None S-phrases: None
Shelf life:	12 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:	310ml cartridge per box (1200 per pallet)

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

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

Preparation

The substrate must be prepared in accordance with BS 8201: 2011, i.e. be even, totally dry, clean, free from cracks and physically sound. The surface should also be slightly textured. If applicable, it must meet the requirements of local standards or codes of practice. If necessary it should be professionally prepared for laying. A primer is typically not needed. Suitable substrates (also in association with underfloor heating) are:

Fastening



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Sand/cement screeds / walls
Floors levelled with levelling compounds (at least 2 mm thick),
Calcium sulphate (anhydrite, gypsum) based floors / walls
Chipboard (V100)
Other dry and sound sub-floors / walls
Mastic asphalt floors (with intact sand surface)

Application

Before using the 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)
- R.H: max. 70 %

The adhesive must, if necessary, be brought to the right temperature. After opening the cartridge the required amount of adhesive is pressed out and applied to one of the substrates. The other substrate is pressed in during the open time of approx. 10 min. Depending on initial load, it may be necessary to fix the parts in place until setting has occurred.

To accelerate the bonding process, water can be sprayed on the substrates or the adhesive (0,5 %, for e.g. 1000 g adhesive you need 5 g of water, the water can be mixed into the adhesive, open time can then be reduced to 5 minutes, lay in the substrates immediately). If on the sub floor applied adhesive has a skin, remove adhesive and apply new. If excess adhesive is exuded it should be carefully removed.

After 4 to 8 hours it is possible to apply load or stress, depending on temperature and humidity conditions.

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