Bona RollGuard

A one-component, rollable silane-based sealer

Compatible with all Bona silane-based adhesives

Bona RollGuard is a single-component, rollable silane-based sealer designed to reduce vapour transmission from subfloors with high residual moisture content. It is suitable for conforming green concrete substrates with up to 95% relative humidity. Bona RollGuard delivers reliable, long-lasting performance and is fully compatible with all Bona silane-based adhesives.

- Easy application with a roller for efficient coverage

- Quick drying

- Fully compatible with all Bona silane-based adhesives

- Reduces the risk of moisture-related issues

- Provides damp-proofing for subfloors with high residual moisture content

- Suitable for use with levelling compounds

08/2025 – for the New Zealand market
This data sheet replaces all previous versions.

1

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Technical Data

Base:	Silane-modified prepolymer
Colour:	Red
Viscosity/Density:	Liquid / 1.02 g/cm³
Drying time:	2-3 hours – at 20°C and 50-60% RH
Consumption:	**Systems:**
	1 coat application 7,5 – 9 m²/litre – adhesive coverage is 1250 – 1500 g/m²
	2 coat application 4 – 5 m²/litre – adhesive coverage is less than 1250 g/m²
	2 coat application 4 – 5 m²/litre – prior to levelling compound installation
Application tools:	Bona Microfiber Roller 5 mm
Cleaning agents:	Bona Cleaning Wipes, acetone, ethanol, white spirit. Set material can only be removed mechanically.
Storage/Transport:	During storage and transport, the temperature must not fall below +5°C or exceed +25°C. Store in a dry, well-ventilated place.
Shelf life:	12 months from the date of manufacture in unopened, original packaging
Packaging:	5-litre pail
Certificates:	GreenGuard Gold

Additional detailed information is noted in the Safety Data Sheet.

Subfloor Preparation

The substrate must meet the requirements of local standards or codes of practice. It must generally be even, clean, crack-free, and capable of withstanding tension and pressure. The texture of the substrate should not be too coarse or too smooth; for concrete, a CSP 3 or 4 is perfect.

Start by thoroughly sanding the substrate. Suitable mechanical processes, such as diamond grinding or shot blasting, may be necessary to ensure proper preparation and a surface profile (CSP 3 or 4) for concrete floors. Adhesive residues, levelling compounds, paint, grease or other substances that could impair adhesion must be completely removed using an appropriate method, e.g. Bona FlexiSand with the Bona Concrete Disc and diamond segments. The substrate must be thoroughly cleaned afterwards.

If levelling compounds are to be applied, dry quartz sand (0.2–0.8 mm) must be broadcast into the wet, newly applied Bona RollGuard at a rate of approximately 1.5 kg/m². After Bona RollGuard has dried and fully cured, remove all excess sand and apply the levelling compound in accordance with the manufacturer's Technical Data Sheet.

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2

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Suitable Subfloors

- Concrete

- Wood substrates like chipboards (P4-P7), OSB3 and OSB4 boards, or floor-grade, structural plywood (**one coat application as a primer only!**)

Application

Bona RollGuard should be at normal room temperature before application. Before using Bona RollGuard, confirm that the following climatic conditions are met:

- Air temperature: Minimum 18°C

- Floor temperature: Minimum 15°C (with underfloor heating, maximum 20°C)

- Relative humidity (RH): Maximum 70%

If the concrete's residual moisture content (MC) does not exceed 95% relative humidity (RH), apply a single coat of Bona RollGuard. Use a Bona Microfiber Roller with a 5 mm nap or another high-quality, shed-resistant roller to ensure an even and consistent application at 7.5 – 9 m²/litre for optimal results.
After 2-3 hours of drying time (the surface may still feel slightly tacky), wooden flooring can be installed using one of Bona's silane-based adhesives with the Bona 1250G or 1500G notched trowel (adhesive coverage 1250 – 1500 g/m²).

Two coats of Bona RollGuard are required when:

1) The adhesive coverage is less than 1250 g/m², e.g., notched trowels, such as Bona 850F/G, 1000 F/G, or equivalent.

2) Levelling compounds or patches are necessary.

A second coat of Bona RollGuard should be applied approximately 2 – 3 hours after the initial application and allowed to dry overnight.

When levelling compounds or patch repairs are necessary, dry quartz sand (grain size 0.2 - 0.8 mm) shall be evenly broadcast into the wet, newly applied second coat of Bona RollGuard. Ensure that the quartz sand covers the entire surface (sand consumption approx. 1.5 kg/m²). Once the Bona RollGuard has dried and fully cured, remove all excess sand before applying the levelling compound as directed by the manufacturer.

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3

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Always refer to the manufacturer's recommendations for the levelling compound for detailed installation instructions.

Bona RollGuard is also suitable for substrates with radiant heat flooring. For additional information, contact Bona's technical support team for expert guidance and advice.

Do not use Bona RollGuard in the following situations:

- On wet, contaminated, or unstable surfaces
- On inadequately prepared surfaces that have been treated with concrete curing compounds, sealers, or other substances that may affect adhesion
- In areas exposed to hydrostatic pressure
- On leftover materials like old adhesive, carpet foam, paint or other residues
- On levelling compounds or calcium-sulfate screeds
- On timber substrates where the moisture content (MC) is outside of any flooring or building standards

Product limitations

Bona RollGuard is designed to reduce vapour transmission originating from beneath the membrane. It does not address issues caused by external factors, such as water leaks, standing puddles, hydrostatic pressure, or other sources unrelated to submembrane moisture. Additionally, Bona RollGuard does not resolve installation-related concerns, including improper acclimation of flooring materials or the effects of job-site temperature and humidity. Bona RollGuard is intended as a vapour barrier for concrete substrates, not timber.

To achieve optimal results, ensure that the selected product and its associated recommendations fully align with your objectives and the specific application conditions. While Bona guarantees the high quality of its products, we cannot assume responsibility for errors that may arise during the application or use of the material.

If you are uncertain about the product's use, we recommend performing a test application on a small, inconspicuous surface area. Alternatively, contact Bona's technical support team for expert guidance and advice.

Always review the information provided on the product packaging and consult the safety data sheet to ensure safe and effective usage.

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4

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