



Bona RollGuard™

A ONE-COMPONENT, ROLL-ON MOISTURE MEMBRANE

Silane-based primer compatible with the entire Bona Adhesive System



Bona RollGuard™ - the superior, silane-based moisture barrier that sets new benchmarks in efficiency and user experience.

- Rapid Dry Time
- One-Coat Coverage
- Rollable Application
- Compatible with Bona System®



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TECHNICAL DATA

Ingredients:	Silane modified prepolymer, plasticizers, monomeric silanes, stabilizers
Density:	11.24 lbs/5L
Viscosity:	Low
US Regulatory VOC:	0 g/L VOC formulation as calculated per SCAQMD Rule 1168
Packaging:	5-liter jugs
Shelf life:	12 months from date of manufacture in unopened, original packaging
Storage/Transport:	Store in a climate-controlled environment. Do not store for extended periods in excess of 90°F. Freeze thaw stable.
Application Tools:	1/4" x 18" roller with a double-yolk roller cage
Coverage:	See Coverage
Drying time:	2-3 hours* See application information
Clean-up:	Bona RollGuard is difficult to remove once dried. Take care not to step in wet product to avoid unwanted transfer of material to other surfaces. Wet material can be cleaned up with mineral spirit. Dried Bona RollGuard must be mechanically removed.
Disposal:	Dispose of contents and container in accordance with all local, regional, national, and international regulations.
Certificates:	Greenguard Gold UL 2818 - 2022 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

BEFORE USING, READ ALL DIRECTIONS AND MATERIAL SAFETY DATA SHEETS. KEEP OUT OF REACH OF CHILDREN. FOR TECHNICAL ADVICE: Call Bona US at 800-872-5515

RESPONSE

. In case of eye contact, flush immediately with water. Get medical attention if irritation occurs. For skin, wash thoroughly with soap and water. If affected by inhalation,

remove to fresh air. If swallowed, do not induce vomiting. Get medical attention if symptoms occur.

SUITABLE SUBSTRATES

- Concrete
- Plywood
- Warmboard®
- Cork
- Particle or OSB
- Stone
- Ceramic
- Terrazzo
- Radiant heat flooring (refer to manufacturer's recommended installation instructions)
- Dry, above-grade gypsum underlayment
- Recycled-rubber underlayment



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PRODUCT LIMITATIONS

Bona RollGuard is designed to reduce moisture vapor emissions that originate from below the membrane only. It does not affect other issues originating from the top, sides or ends of flooring (water leaks, puddles, hydrostatic head,

etc.) nor does it eliminate other moisture or installation related issues such as improper acclimation of flooring or the effects of jobsite temperature and humidity.

PREPARATION

Building climate control systems must be functioning with a temperature of 65°- 80°F and maximum relative humidity of 70% for 72 hours before flooring is installed, during installation, and for 72 hours after installation. Acclimate flooring according to manufacturer's instructions. Acclimate Bona Bona RollGuard, Bona QUANTUM® adhesive sausage, Bona Vertical, Bona QUANTUM® R851, Bona Quantum Flow, or Bona QUANTUM® T to the room temperature of installation; usually overnight.

MOISTURE TESTING**

For concrete slabs, conduct moisture testing per ASTM test methods F1869 "Test Method for Measuring Moisture Vapor Emission Rate (MVER) of Concrete Subfloor Using Anhydrous Calcium Chloride", and/or F2170 "Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in Situ Probes". Contact ASTM International to obtain copies of the test methods before proceeding. Use one of Bona RollGuard Moisture Barrier Sealer at a coverage rate of 400 square feet per 5-liter jug prior to installation of hardwood flooring with a Bona adhesive and the 1250G or 1500G trowel when MVER using ASTM F1869 (Calcium Chloride test) exceeds 12 lbs./24 hours/1000 square feet or when using ASTM F2170 (RH probe test) exceeds 85% relative humidity. The maximum moisture content should not exceed 18 lbs./24 hours/1000 square feet or 95% relative humidity.** When using a Tramex measuring device to identify moisture levels in cementitious based substrates, use the Tramex measuring device to find the highest reading in the area to be installed and then run the CM testing

method where you have recorded the highest reading. As a general guideline for floors with no in-floor heating system, if the Tramex is below 4%, the Bona RollGuard will not be necessary and between 4% and 6%, Bona RollGuard will be required. However, the CM method must be used to make final determination of concrete moisture levels. As a moisture barrier where Bona Adhesives in conjunction with the 1250G or 1500G trowels will not be used, or when using prior to the installation of leveling compounds or patches, Apply two coats of BONA ROLLGUARD at a coverage rate of 400-500 square feet per 5-liter jug. Alternatively, one heavy coat at 200-250 square feet per 5L can be used. The maximum moisture content should not exceed 18 lbs./24 hours/1000 square feet or 95% relative humidity** for moisture content and quality of substrates, the guidelines of the wood floor manufacturer must be observed. Wood subfloor MC not to exceed 20%. Do not use more than one coat of BONA ROLLGUARD on any wooden subfloor system.

**When using BONA ROLLGUARD and a Bona 1500G trowel in conjunction with Bona Quantum Flow, and a leveling compound has not been installed, moisture protection is unlimited, and testing is not required. The concrete surface must be dry to touch. If using Bona Quantum Flow and a leveling compound is needed, two coats of Bona RollGuard at 400-500 square feet per 5L (or one heavy coat at 200-250 square feet per 5L) is required for unlimited protection. 6 lbs. / 80% RH when used over radiant heat.



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SUBSTRATE PREPARATION

The substrate must be clean, smooth, dry, free of loose material and structurally sound, with the surface slightly textured for best adhesion (similar to a light broom finished concrete). Remove adhesive residue, paint, concrete curing compounds or other contaminants that may affect adhesive bond. Sandblasting shot blasting or scarifying may be necessary to completely remove some of these residues. Surface cracks, grooves, depressions, control joints or other non-moving joints, and other irregularities must be filled or smoothed with a Portland Cement-based patching and/or leveling compound after the application of Bona RollGuard. The substrate must be level to 3/16" in a 10-foot span. Slab

temperatures must be between 55° and 95°F. NOTE: If a concrete slab needs to be leveled, Bona RollGuard Moisture Barrier Sealer should be applied to the slab prior to application of the leveling compound at a rate of 200-250 square feet per 5L. Dry sand should be broadcast into the final coat of BONA ROLLGUARD (while wet, until rejection) prior to the application of leveling compounds. Always refer to leveling compound manufacturer's recommendations for detailed installation instructions. Other suitable substrates include wood and radiant heat flooring (refer to manufacturer's recommended installation instructions).

APPLICATION

ONE COAT APPLICATIONS AT 400-500 SF/5L

For wooden subfloor systems; or for installations over cementitious substrates before application of bona quantum adhesives with a Bona 1250g or Bona 1500g trowel.

Using a 1/4" nap roller or similar, Roll Bona RollGuard Vapor Retarder and Moisture Barrier evenly to the substrate. Apply Bona RollGuard at a coverage rate of 400-500 square feet per 5L as follows: Work in 4' by 10' sections, and no more than 4' x 20' sections. Pour a 3-4" puddle of product spanning the width of the area you wish to seal, about 2' from starting wall. Roll out Bona RollGuard in 4' sections, 2' on either side of the poured puddle. Work across the floor until section is complete. Repeat, pouring a new 3-4" puddle 2' from the previously rolled section. Be sure to overlap into previously section. Continue working in this manner until the entire floor is sealed). Avoid the formation of puddles, or heavy spots. Allow to dry to a transparent film, approximately 2-3 hours (60-80 degrees F, 50% RH).

APPLICATION USING ONE OR TWO COATS AT 200-250 SF/5L

For floating floors, carpet, LVT over cementitious substrates and for installs over cementitious substrates before adhesive application using a Bona EF, Bona EFP, or Bona 1000F trowels.

Using a 1/4" nap roller, work in 4' by 10' sections, and no more than 4' x 20' sections. Pour a 4-6" puddle of product spanning the width of the area you wish to seal, about 2' from starting wall. Roll out Bona RollGuard in 4' sections, 2' on either side of the poured puddle. Work across the floor until section is complete. Repeat, pouring a new 4-6" puddle 2' from the previously rolled section. Be sure to overlap into previously section. Continue working in this manner until the entire floor is sealed). Alternatively, two coats at 400-500 square feet per 5L can be applied. Allow 2-3 hours between coats. Avoid the formation of puddles, or heavy spots.



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COVERAGE

When used as a vapor retarder on unsealed wooden subfloors: one coat at 400-500 square feet. For moisture barrier protection (up to 18 lbs. or 95% RH) on concrete: one coat* at 400-500 square feet (when used with Bona 1250G or 1500G trowel and any Bona Silane Adhesive). Apply two coats, each at 400-500 square feet for any other installation not meeting the above criteria, and prior to installation of

leveling compounds or patches. Alternatively, one heavy coat at 200-250 square feet per 5L can be used.

200-250 SF/5L of Bona RollGuard are required prior to installation of leveling compounds or patches. Broadcast sand into the second coat of wet Bona RollGuard prior to application of leveling compounds or patches.