



Bona RollGuard™

A one-component, roll-on moisture membrane

Silane-based primer compatible with the entire Bona Adhesive System



Bona RollGuard™ is a one-component, roll-on moisture membrane specially designed to mitigate vapor transmission on absorbent and non-absorbent subfloors, including gypsum-based underlayment. The silane-based reactive primer is compatible with the entire Bona Adhesive System.

- Helps mitigate potential moisture issues, like cupping†, originating from below the membrane, in new and existing construction
- Can be used as a vapor retarder in place of felt paper for wooden subfloors up to 20% MC
- One coat can be used for damp proofing concrete subfloors up to 95% RH & 18 lbs, and in some cases, unlimited moisture protection.‡
- Dries fast, allowing all installation with Bona Adhesives within 2-3 hours
- No more tears in paper or seams to be concerned with – the continuous film offers more uniform coverage and moisture protection

†Can help minimize cupping from excess subfloor moisture

‡Only one coat @ 400 sf/gallon needed when used with 1250G or 1500G trowel and any Bona Adhesive. One coat @ 200 sf/gallon (or two coats at 400 sf/gallon) required in all other installations when the above criteria is not met.

Unlimited protection when used with Bona Quantum Flow.



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PHYSICAL CHARACTERISTICS

Base – Silane modified prepolymer, plasticizers, monomeric silanes, stabilizers

Color – Red

Viscosity – Thin

VOC Content – 0 g/L

Density - 1.02 g/cm³

Odor – Mild

Stability – One-year from date of manufacture in unopened, original packaging

Packaging – 5-liter jugs

APPLICATION

CHARACTERISTICS

Roller– ¼" nap mohair or other shed-resistant rollers

Dry Time – 2-3 hours* See application information

COVERAGE (per 5L jug)

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.

DIRECTIONS

BEFORE USING, READ ALL DIRECTIONS AND MATERIAL SAFETY DATA SHEET.

FOR TECHNICAL ADVICE: Call Bona US at 800-872-5515

PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves: Nitrile rubber. Wear eye or face protection. Wear protective clothing. Wear respiratory protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

RESPONSE

Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. **IF INHALED:** If breathing is difficult, remove the person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or physician. **IF ON SKIN:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.



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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.

ACCLIMATION AND SITE CONDITIONS

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.



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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 400-500 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).

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.

DO NOT USE BONA ROLLGUARD

- On wet, contaminated, or friable surfaces
- Over concrete curing compounds, sealers or other surface treatments that could affect adhesion
- On areas subject to hydrostatic head
- On cutback residue, or over vinyl/VCT/LVT
- On chemically treated woods (stain, preservatives, etc.)
- As a leveling compound
- As an adhesive
- Over treated subfloor systems such as Advantech without first abrading.



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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 ¼” 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 ¼” 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.

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.

STORAGE

Store in a climate-controlled environment. Keep from freezing. Do not store for extended periods above 90°F (32°C).

ORDER INFORMATION

| Item # | Description | Size | No. Case | Weight/Lbs. |
|---------------|----------------|-------------|----------|-------------|
| BRRLG02000USB | Bona RollGuard | 5-liter jug | 3 | 35.70 |