Bona® R540 Moisture Barrier/Primer

The proven way to ease moisture issues quickly!
Bona® R540 Moisture Barrier/Primer

✓ Helps mitigate potential moisture issues, like cupping†, originating from below the membrane, in new and existing construction
✓ When used as a primer, one coat increases adhesion over sealed subfloor systems, ie. AdvanTech™
✓ 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*
✓ Dries fast allowing nail-down installation immediately
✓ No more tears in paper or seams to be concerned with – continuous film offers more uniform coverage and moisture protection
✓ Easy to apply – rolls on
✓ Suited for underfloor heating‡

Bona R540 is a one-component, roll-on moisture membrane specially designed to mitigate vapor transmission on absorbent and non-absorbent subfloors, including Gypsum-based underlayments. The polyurethane reactive primer is compatible with the entire Bona Adhesive System.

PHYSICAL CHARACTERISTICS:

- Base: Polyisocyanate Prepolymer
- Color: Transparent brown
- Viscosity: Thin
- Density: 9.51 lbs / gallon
- VOC Content: Zero VOC
- Odor: Solvent
- Flash Point: Closed cup: >410°F (>210°C)
- Stability: 1-year from date of manufacture in unopened, original packaging
- Packaging: 5-liter jugs

TECHNICAL DATA:

- Spreadability: Rolls easily with ⅛” nap mohair roller. Do not exceed ¼” nap mohair or other shed resistant roller.
- Dry Time: 1-16 hours. See application information on jug or Technical Data Sheet
- Cure Time: 24 hours
- Coverage:
  - (per 5 L jug)
  - When used as a Vapor Retarder on unsealed wooden subfloors: 1 coat at 300-400 square feet
  - When used as a Primer (Adhesion Promoter) on sealed subfloor systems, ie. AdvanTech™: 1 coat at 400-600 square feet
  - When used as a Moisture Barrier (up to 18 lbs. / 95% RH‡) on concrete: 1 coat at 400 square feet (when used with Bona 1250 or 1500 trowel and any Bona Silane Adhesive); 2 coats at 400 square feet (for any other installation not meeting the above criteria)

1. Plywood or concrete subfloor
2. Bona R540 Moisture Barrier/Primer
3. Bona R859 or Bona R851 Adhesive or Bona R850T
4. Flooring

*Only one coat needed when used with 1250G or 1500G trowel and any Bona Silane Adhesive. Two coats required in all other installations when the above criteria is not met.
† Can help prevent cupping caused by excessive subfloor moisture.
‡ Radiant heat systems will have a maximum moisture protection of 6 lbs. or 80% RH.

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