



# Laying a Solid Foundation

Bona Adhesive Trowel Selection for Moisture Control

# Laying a Solid Foundation

## Bona Adhesive Trowel Selection for Moisture Control

≤ 18 lbs.  
(Calcium  
Chloride)

### Bona Moisture Barrier Protection (MBP) Trowel for Maximum Moisture Protection (6% Tramex)

≤ 95% RH  
(RH of the  
Concrete)

- 30-35 square feet per gallon
- Solids up to 9" widths & engineered up to 16" wide
- Zero VOC, freeze-thaw stable (0°F)
- GREENGUARD Certified and meets criteria for LEED
- Won't etch or damage prefinished flooring surface
- Sound ratings of 71 dB IIC & 65 dB STC (1500 G Trowel with suspended ceilings)
- Acts as a sealer/adhesive over properly prepared, suitable substrates (see below)
- Replace MBP Clip-On trowel after every pail

≤ 12 lbs.  
(Calcium  
Chloride)

### Bona 1250G or 1500G trowels (4% Tramex)

≤ 85% RH  
(RH of the  
Concrete)

- Up to 15 lbs of moisture protection with the back-trowel method
- R851 acts as a sealer/adhesive over properly-prepared, suitable substrates (see below)
- Solids up to 9" wide & engineered up to 16" wide when using the 1500G trowel
- Solids up to 5" wide & engineered up to 8" wide when using the 1250G trowel
- Light traffic 8-10 hours, furniture 12-24 hours, and sanding 24 hours
- 50-65 square feet per gallon (depends on the width of the board, flatness of subfloor 3/16" over 10', floating vs 90° trowel angle and the porosity or CSP of the substrate)
- Shear strength of 335 psi and elongation rating of 250%, freeze-thaw stable (0°F)
- Sound ratings of 71 dB IIC and 65 dB STC (1500G trowel with suspended ceiling)\*\*
- GREENGUARD Certified and meets criteria for LEED
- Won't etch or damage prefinished flooring surface

≤ 6 lbs.  
(Calcium  
Chloride)

### Bona 848 trowel (3% Tramex)

≤ 80% RH  
(RH of the  
Concrete)

- Acts as a sealer/adhesive over properly prepared suitable substrates (see below)
- Engineered flooring only up to 3/4" thick and 7" wide
- 70-75 square feet per gallon (depends on the flatness of the subfloor 3/16" over 10' & floating vs 90° angle)\*\*
- Shear strength of 245 psi and elongation rating of 300%
- Zero VOC, freeze-thaw stable (0°F)
- Sound ratings of 68 dB IIC and 65 dB STC with suspended ceiling \*\*
- GREENGUARD Certified and meets criteria for LEED
- Won't etch or damage prefinished flooring surface
- Light traffic 8-10 hours, furniture 12-24 hours, and sanding 24 hours

≥ 3 lbs.  
(Calcium  
Chloride)

### Vapor Retarder

≥ 75% RH  
(RH of the  
Concrete)

According to NWFPA, "a vapor retarder is recommended anytime solid 3/4" wood is installed over concrete. A vapor retarder is required for installation over concrete with a calcium chloride reading greater than 3 pounds (and) a relative humidity reading greater than 75%."

#### **Suitable Substrates & Compatible Products:**

Concrete, gypsum-based leveling compounds, Portland cement-based leveling compounds, rubber, cork, plywood, OSB, Warmboard®, particleboard, stone, ceramic, terrazzo, metal, cement board (Fiberock®, Durock®, PermaBase®, Hardiebacker®, Advantech®, radiant heat flooring systems, and many other products. \*\*

**Talk with your local Bona adhesive specialist for more specific details.**