

Product Use: Multi-purpose wood flooring adhesive, moisture retarder and sound reducing membrane.
Base: One component, moisture curing, Silane Modified-Prepolymer. None of the raw materials used in the manufacturer of SB1587 contain formaldehyde or isocyanates. Product does NOT contain any solvents or water.
Substrates: Concrete, cement-based self-leveling underlayment & patch, plywood, Advantech^{®*}, stone, ceramic, terrazzo, marble, metal, radiant heat flooring (Warmboard[®]), gypsum self-leveling underlayment (dry/above-grade), recycled-rubber underlayment and cork underlayment. Follow guidelines in installation instructions.
 *It is recommended to lightly abrade and vacuum all Advantech subfloors prior to adhesive application or apply one coat of Bona[®] R540 primer prior to installation.

Acoustic Properties (ASTM E90 and E492):

Subfloor	Flooring System	Ceiling	STC	IIC
6" Concrete	Nydree 0.430" Acrylic Infused Flooring using SB1587 adhesive and the standard 1/4" x 1/4" x 7/16" V-notch Trowel*	5/8" Suspended Gypsum	65	71

**The actual tests used a 5/16" x 5/16" x 7/16" V-Notch trowel and 0.370" Engineered Hardwood Flooring. Expect the same sound numbers using the standard 1/4" x 1/4" x 7/16" V-Notch trowel and thicker 0.430" Nydree Flooring. Product should be tested in the final space in which it will be installed for accurate data.*

VOC's: 0 grams/liter. Meets criteria for LEED EQc 4.1 (v.2.1,2.2,3.0)
Environment: GREENGUARD Gold Indoor Air Quality Certified. California Prop. 65 Compliant.
Flash Point: >100 °C (212°F) (Pensky-Martens)
Viscosity: 64 Pa*s at a shear rate of 5/1 sec (cone-plate rheometer)
Weight: 12.5 to 13.4 lbs./gal
Tensile: 340 psi (lap shear, 1mm gap) **Elongation:** 220%
Vapor Perm: <0.7 g/m²-24 Hrs-mmHg @ 2000 g/m² **Solids:** 100%
Color: Yellowish-white. **Odor:** Mild. Virtually no odor. Not easily detected.
Concrete Water Vapor:

Slab concrete moisture test results determine the application rate of the adhesive.

Calcium Chloride results up to 15 lbs./1000 sf/24 hrs. and in-situ Relative Humidity results up to 87%. SB1587 is applied with the standard 1/4" x 1/4" x 7/16" V-Notch trowel at a rate that does not exceed 55 sq. ft per gallon.

Calcium Chloride results up to 18 lbs./1000 sf/24 hrs. and in-situ Relative Humidity results up to 95%. SB1587 is applied with a 5/16" x 5/16" x 7/16" V-Notch trowel with Moisture Plus spacers at a rate that does not exceed 35 sq. ft. per gallon. Any result greater than 18 lbs. or 95% in-situ Relative Humidity is considered standing water.

The protocol for Calcium Chloride testing (ASTM F1869) and in-situ relative humidity testing (ASTM F2170) must be followed precisely for warranty consideration. If both tests are performed, the insitu RH test is always the qualifying standard. If there is concern over excessive, future subfloor moisture, always use the Moisture Plus 5/16" x 5/16" x 7/16" V-Notch trowel application rate.

Spread Rates: Standard 1/4" x 1/4" x 7/16" Trowel: 50 - 55 square feet per gallon. 200 - 220 sq. ft. per 4 gallon pail.
 5/16" x 5/16" x 7/16" V-Notch Trowel with Moisture Plus spacers: 30 -35 square feet per gallon.
 120 - 140 sq. ft. per 4 gallon pail.

Open Time: About one hour at 70 °F and 50% relative humidity.
Working Time: Wet-lay adhesive. Install flooring immediately. Do not let adhesive dry to touch.
Cure Time: Light-Foot traffic after 8-12 hrs. Normal traffic and unfinished floor sanding after 24 hours.

- Rolling:** Rolling is not necessary.
- % Transfer:** 85% transfer of adhesive between the concrete and flooring product is required.
- % Substrate Transfer:** 100% is required.
- Clean-up:** Prior to cure use a clean, non-abrasive, microfiber cloth. Odorless mineral spirits can be used to facilitate clean-up. For cured adhesive, use microfiber cloth and water. A stiff plastic putty knife can be used, but be careful not to damage the flooring finish. The adhesive will not stick to plastics and will not stain hands.
- Packaging:** 4 gal plastic pails. 52.6 lbs./pail. Standard and Moisture Plus clip-on trowels included in every pail.
- Storage :** Store and use adhesive at 60 °F to 80 °F. (15 °C - 27 °C)
- Shelf Life:** One year from date of manufacturer in unopened, original packaging.
- Freeze/Thaw:** Product is Freeze-Thaw stable to 0 °F (-18 °C).
- Warranty:** See SB1587 Adhesive Bond Limited Lifetime Warranty and 10 year Concrete Subfloor Moisture Protection Limited Warranty.

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