



Bona QUANTUM®

SILANE-BASED WOOD FLOOR ADHESIVE

 Product Image



One-component, moisture curing, water and solvent-free, silane-based wood floor adhesive.

Bona QUANTUM™ provides outstanding adhesion to a variety of surfaces, and allows for the natural movement of wood flooring. Use along the leading edge of refinished or solid plank floors, coupled with staple or nail down system.

- Eliminates cracking and popping
- Useful for prefinished floors due to ease of cleanup
- Perfect alternative to face nailing close-out rows, board replacements, stairs, risers, and trim applications



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TECHNICAL DATA

Ingredients:	Calcium carbonate, silane modified prepolymer, plasticizers, amorphous silica
Density:	14.6 lbs/gallon
Viscosity:	Medium
US Regulatory VOC:	0 g/L VOC formulation as calculated per SCAQMD Rule 1168
Odor:	Non-offending
Color:	Cream
Max Shear Strength:	340psi (at final cure; lap shear test, 1mm gap) ISO 17177
Max Elongation:	220% (ISO 17178)
PERM Rating:	< 0.7 g/m ² -24 hour-mmHG @ 2000g/m ²
Packaging:	20 oz. foil sausage
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:	Bona Adhesive Applicator
Coverage:	60 lineal feet per tube with a 1/4" bead
Open time:	Up to 60 minutes @ 70F and 50% RH (Dependent of temperature and humidity. Higher humidity decreases open time while lower humidity increases open time.)
Curing time:	- Light foot traffic - 8-10 hours - Furniture, fixtures - 12-24 hours - Unfinished floor sanding - after 24 hours
Clean-up:	Clean adhesive from the surface of the floor while wet. Use mineral spirits on a clean white cloth.
Disposal:	Dispose of contents and container in accordance with all local, regional, national, and international regulations.
Certificates:	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.



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RECOMMENDED USE

Commercial and residential. Use with solid or engineered prefinished and unfinished flooring; on, above, or below grade¹. May be used on both wood and concrete substrates².

¹Read and follow flooring manufacturer instructions, recommendations, and limitations as to the suitability of a particular flooring product to certain jobsite conditions and installation methods. ²After proper site conditions, moisture testing results and substrate preparation have been met. See Directions for Use" for acceptable jobsite conditions.

PRODUCT LIMITATIONS

Bona QUANTUM® will not prevent moisture-related damages to wood flooring 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 QUANTUM®

- 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
- On chemically treated woods (stain, preservatives, etc.)
- As a leveling compound
- As a moisture barrier over leveling compounds or patches

PREPARATION

ACCLIMATION AND SITE CONDITIONS

Building climate control system must be functioning with a temperature of 65°F–80°F and maximum relative humidity of 65% for 72 hours before flooring is installed, during

installation, and for 72 hours after installation. Ideal conditions are 65-70F and 45-55% RH. Acclimate Bona QUANTUM adhesive to room temperature of the installation, usually overnight.

SUBSTRATE PREPARATION

Substrate must be clean, smooth, dry, free of loose material and structurally sound, with the surface slightly textured (similar to a light broom finished concrete) for best adhesion. Remove adhesive residue, paint, concrete curing compounds or other contaminants that may affect adhesive bonds. 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 leveling compound. Substrate must be level to 3/16" in a 10-

foot span. To achieve moisture protection when a patch or leveling compound is used, first apply one coat of Bona RollGuard™ at 200-250 SF/5L or two coats of Bona R540 at 400 SF/ 5L. Dry sand should be broadcast into the final coat of moisture barrier (while wet, until rejection) prior to the application of leveling compounds. Apply leveling compound following manufacturer's instruction. Do not install wood flooring before the compound has fully cured. Do not install over expansion joints or other moving joints in a concrete slab. Slab temperature must be between 55°F and 95°F.



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APPLICATION

Remove end cap of applicator and pull back piston. Insert BONA QUANTUM tube into applicator. Make a small cut to the exposed end of the Bona QUANTUM™ adhesive tube.

Replace end cap – make sure to use the supplied applicator cone. Apply by pulling applicator trigger. Apply adhesive along the entire length of the board for best results.

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