

MOISTURE CURE URETHANE Wood Flooring Adhesive



R1409

○ SUPERIOR

Moisture Cure
Urethane

Roberts® R1409 is a single component, water free polyurethane adhesive formulated to bond engineered, solid and bamboo flooring. R1409 develops a permanent bond and remains flexible to withstand expansion and contraction of the flooring without stressing the adhesive. Suitable for all wood flooring that is intended for glue-down installations.

Features:

- Remains flexible to withstand expansion and contraction
- Permanent, tenacious bond and high elongation
- Cured adhesive is unaffected by moisture
- Excellent green grab

Enviro Friendly:

- Solvent free
- Low VOCs

Roberts R1409 is a solvent free adhesive and meets the strict requirements of the South Coast Air Quality Management District and may contribute one LEED point for "Low-Emitting Materials: Adhesives and Sealants" (IEQ Credit 4.1) and "Low-Emitting Materials: Flooring Systems" (IEQ Credit 4.3). This product may also contribute one to two LEED points for MR Credit 5 if product is manufactured within 500 miles of the project site. Visit usgbc.org for additional details.

Uses:

For bonding solid wood plank, bamboo, flat milled shorts, finger/block parquet (plain back), engineered or acrylic impregnated floorings (that are recommended for glue-down applications). May also be used to glue down cork underlayment and plywood.

Note: Always follow flooring manufacturer's installation instructions.

Substrates:

When used as an adhesive only – Concrete, APA or PS1-95 grade plywood, underlayment grade oriented strand board, radiant heated slabs, vinyl composition tile (well bonded, free of wax, residential engineered wood floors only), acoustic cork underlayment, primed gypsum underlayment and terrazzo.

When used as an adhesive and moisture vapor barrier – Concrete only.

Surface Preparation:

Acclimate flooring material according to manufacturer's instructions. Ensure substrate, flooring material and adhesive are installed at the same temperature and relative humidity (RH) expected during normal use (between 65-95°F, ≤ 65% RH).

Subfloors must be structurally sound, dry, smooth, flat (≤ 3/16 inch in 10ft.) and free of excess moisture/alkali (≤ 9) and all substances that might interfere with bonding.

Repair cracks, holes, high spots and irregularities. Use polymer-modified, cement based patching compounds. Expansion/moving joints must not be filled/covered with flooring.

Ensure adequate ventilation during installation.

General:

Do not install solid wood flooring or bamboo below grade.

Concrete moisture levels must not exceed 3 lbs. / 1,000 sq. ft. / 24 hrs.

(ASTM F1869). Wood substrates must be ≤ 12% moisture content and wood substrate and flooring must not exceed a moisture difference of 3-4%.

The trowel notches referenced are those typically recommended for the type of flooring being installed. Consult flooring manufacturer for their specific trowel recommendations. Surface conditions and type of wood flooring will ultimately determine trowel notch size and coverage.

Ensure adequate ventilation during installation.

Refer to NWFA.org for additional information as well as wood manufacturer's installation guidelines.

Physical Characteristics (70°F, RH 50%):

Note: Open and working times for R1409 will vary with temperature and humidity.

Open Time: Up to 80 minutes

Working Time: Up to 120 minutes

Cure Time: 8-10 hours

Shelf Life: One year in unopened container;

Freeze-thaw stable



FLOORING TYPE	TROWEL SIZE	ROBERTS ITEM #	COVERAGE
Solid Wood: Engineered Wood; Bamboo > 5/8 in.	1/4 x 1/4 x 1/4 in. 	10113Q	30-45 sq. ft. per gallon
Engineered Wood 3/8 in. to 5/8 in. thick	1/4 x 1/8 x 1/4 in. 	N/A	35-40 sq. ft. per gallon
Engineered Wood 1/4 in. to 3/8 in. thick	3/16 in. x 5/32 in. 	10115Q	45-50 sq. ft. per gallon

The trowel notches referenced are those typically recommended for the type of flooring being installed. They are normally the minimum size recommended. Surface conditions (roughness and porosity of substrate), type of flooring and backing will ultimately determine the required trowel notch size and coverage.

Always check with the specific flooring manufacturer's recommendations for their specific trowel requirements. Ensure 100% transfer of adhesive to the substrate and the flooring backing.

Physical Characteristics (cont.):

This product complies with South Coast Air Quality Management District VOC requirements and contains less than the maximum of 100 g/L; and contains less than the maximum of 150 g/L (Indoor Floor Covering) per the Ozone Transport Commission.

Installation:

CLEAN ANY ADHESIVE FROM THE SURFACE OF THE FLOORING IMMEDIATELY with Roberts R5505 Adhesive Remover.

Wet-Lay Method – Apply adhesive to substrate with appropriate trowel. Immediately install flooring into wet adhesive.

Walk-on Method – Apply adhesive to substrate with appropriate trowel and allow it to develop tack. Install flooring into the adhesive. After your “walk-on” set of boards have been installed, secure them with painter’s tape that will not harm prefinished flooring to prevent boards from sliding or separating.

Lift a board periodically to ensure 100% coverage of adhesive to the flooring backing and the substrate.

After installation, restrict foot traffic and moving of heavy objects for 24 to 48 hours to allow adhesive to cure properly. Premature traffic can cause installation failure. The higher the temperature and the higher the humidity, the faster the adhesive will cure.

Clean Up:

R1409 is a chemical curing adhesive and once dry will form a chemical bond with the flooring surface. IT IS VERY IMPORTANT TO REMOVE THIS ADHESIVE WHILE IT IS STILL FRESH AND BEFORE IT HAS COMPLETELY CURED.

Fresh adhesive – use Roberts R5505 sparingly with a clean, white cotton cloth to clean any adhesive from floor surface. Always test on a scrap of flooring material prior to using on an installed floor to ensure that the cleaner will not damage the surface. DO NOT POUR CLEANER DIRECTLY ONTO FLOORING.

Limited Warranty:

Roberts warrants that this product will be free from manufacturing defects for 12 months from the date of purchase, when applied in accordance with Roberts’ instructions and industry standards. Roberts’ sole liability is to either supply new product or refund the original purchase price. **This limited warranty excludes all other express warranties including the warranties of merchantability for a particular use or purpose.**

Any implied warranties arising by operation of law are limited to one year. Roberts will not be liable for any incidental or consequential damages. Visit www.robertsconsolidated.com for full warranty details.



Refer to material safety data sheet, www.robertsconsolidated.com, industry standards and manufacturer’s guidelines prior to installation for additional information.

For technical assistance please contact our Technical Department at (706) 277-5294.

Available Sizes:

SIZE	PRODUCT #	UPC
15 L (4 U.S. gal.)	R1409RB015	075378140931

WARNING: EXISTING FLOORING AND ADHESIVES MAY CONTAIN ASBESTOS. Unless you have confirmation that the existing flooring system is not asbestos containing, do not sand, dry sweep, dry scrape, abrade, drill, saw, bead blast, mechanically chip or pulverize existing flooring or adhesive without taking all appropriate precautions. Refer to local, state and federal guidelines for treatment and removal of these products. You may also refer to the Resilient Floor Covering Institute’s “Recommended Work Practices for Removal of Resilient Floor Coverings.”

EXISTING PAINT MAY CONTAIN LEAD. Unless you have confirmation that the existing paint is not lead containing, do not sand, dry sweep, dry scrape, abrade, drill, saw, bead blast, mechanically chip or pulverize existing paint without taking all appropriate precautions. Refer to local, state and federal guidelines for treatment and removal of lead containing paint. You may also refer to www.epa.gov/lead