

4-in-1 Wood Floor Adhesive

R1535

Roberts® R1535 4-in-1 Wood Floor Adhesive is a one-part, trowel-applied, 100% solids moisture-cure urethane adhesive for installing bamboo, solid wood and engineered wood flooring. Its exceptional formula provides a flexible, tenacious bond, moisture vapor barrier, sound reducer and crack suppressant in one simple step. Roberts 4-in-1 has elastomeric characteristics to allow the adhesive to move with the wood as it expands and contracts.

Features:

- Moisture Vapor Barrier - Up to 20lbs. MVER and 90% RH
- Sound Reducer - IIC 70, STC 66, ΔIIC22
- Crack Suppressant - Up to 1/8 in.; non-structural cracks
- Single step adhesive for solid wood, bamboo and engineered wood*

*Follow industry standards and wood flooring manufacturer's recommendations for acclimation, design, layout and application of wood flooring material

Sound Ratings:

- IIC 70 (impact sound transmission test)** ASTM E492 / ASTM E989-06
- STC 66 (sound transmission loss test)** ASTM E90-04 / ASTM E413-04
- ΔIIC 22 (effectiveness of reducing impact sound) ASTM 2179-03

**Sound testing conducted by an independent laboratory on 6 in. concrete slab with 3/8 in. thick engineered wood and 5/8 in. suspended ceiling.

Enviro Friendly:

- Solvent free
- VOC: 0g/L

Roberts R1535 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 Material-Adhesive and Sealant" (IEQ Credit 4.1). Visit usgbc.org for additional details.

Uses: For bonding solid wood plank, bamboo, flat milled shorts, finger/block parquet (plain back), engineered and acrylic impregnated wood flooring that are recommended for glue-down applications, cork underlayment and plywood.

Substrates: When used as an adhesive only – Concrete, APA or PS1-95 grade plywood, underlayment grade oriented strand board (lightly sanded), radiant heated slabs, vinyl composition tile (well bonded, free of wax, residential engineered wood flooring only), acoustic cork underlayment, primed gypsum underlayment and terrazzo (free of wax/sealers). • **When used as an adhesive and moisture vapor barrier** – Concrete only.

Surface Preparation: R1535 may be used as an adhesive and vapor barrier for concrete slabs with elevated moisture levels up to 20 lbs./1000 sq. ft./24 hours (using an anhydrous calcium chloride test kit according to ASTM F-1869 test method), or up to 90% relative humidity (tested in accordance with ASTM F-1270). Do not use this product as a moisture vapor barrier over water susceptible substrates such as plywood or gypsum.

Ensure moisture content of wood flooring and substrates are within the wood manufacturer's specified range.

Do not install solid wood or bamboo flooring below grade, or over vinyl composition tile.



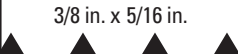
Subfloors must be structurally sound, dry, smooth, flat (≤ 3/16 inch in 10 ft.), level and free of excess moisture/alkali and all substances (oil, wax, grease, paint, oil based sealers, adhesive residue, etc.) that might interfere with the bond of the adhesive.

All substrate cracks, holes, high spots and irregularities must be adequately repaired. Patching compounds must be suitable for the use application, cement based and polymer-modified, and applied according to the manufacturer's instructions.

Wood Substrates – Underlayments must be flooring grade and installed to the manufacturer's specifications with adequate ventilation and moisture protection. Expansion or other moving joints must not be filled or covered with flooring.

General: Crack suppression is up to 1/8 in.; non-structural reflective cracks. Prior to installation, acclimate flooring material according to manufacturer's instructions. Ensure adhesive, substrate and flooring are installed at the same temperature and humidity level expected during normal use. Install only when the substrate temperature is 65–95°F, and the ambient relative humidity (RH) is no greater than 65%. Refer to flooring manufacturer's specific recommendations and industry standards. Large temperature or humidity increases or decreases can affect the flooring and performance of the installation. Ensure adequate ventilation during flooring installation. The trowel notches referenced are those typically recommended. Consult flooring manufacturer for their specific trowel recommendations. Ensure 100% transfer of adhesive to the substrate and the flooring backing.



FLOORING TYPE	TROWEL SIZE	ITEM #	COVERAGE
Wood Flooring (up to 3/8 in. thick)	3/16 in. x 5/32 in. 	49917Q / 49715Q	45-50 sq. ft. per gallon
Wood Flooring (up to 1/2 in. thick)	Tiger Tooth™ 1/4 x 3/16 in. 	10-838 / 10144	30-35 sq. ft. per gallon
Wood Flooring (up to 5/8 in. thick)	3/8 in. x 5/16 in. 	10-839 / 10143	25-30 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 (70°F, RH 50%):

Working Time: Up to 120 minutes
 Initial Cure Time: 6–8 hours
 Final Cure Time: Minimum 12 hours
 Shelf Life: One year in unopened container
 Product Type: Moisture Cure Urethane
 Concrete Moisture Vapor Emissions: Visibly dry/Dry to the touch
 Freeze-thaw stable

Installation: Do not install solid wood flooring or bamboo below grade or over vinyl composition tile. **CLEAN ANY ADHESIVE FROM SURFACE FLOORING IMMEDIATELY** with Roberts R5505 Adhesive Remover. Roberts R1535 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 BEGINS TO CURE.**

Wet-Lay Method – Apply adhesive with the appropriate notched trowel. Immediately install flooring into wet adhesive. Ensure 100% coverage of adhesive to the flooring backing and the substrate to ensure a void free bond.

Walk-on Method – Apply adhesive with the appropriate notched trowel and allow it to develop a slight 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: Fresh adhesive – Use Roberts R5505 Adhesive Remover sparingly with a clean, white cotton cloth to immediately clean any adhesive from the 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. **ONCE R1535 CURES IT IS EXTREMELY DIFFICULT TO REMOVE. IT IS VERY IMPORTANT TO REMOVE THIS ADHESIVE WHILE IT IS STILL FRESH.**

Refer to material safety data sheet, product data sheet, industry standards and www.robertsconsolidated.com prior to installation for additional information. Technical Services Department: (706) 277-5294.

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.



Available Size:

SIZE	PRODUCT #	UPC
4 Gallon	R1535-4	075378153542

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.

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