

# All-in-One Wood Flooring Adhesive

# R1530

 SUPERIOR

**Moisture Cure  
Urethane**

**Roberts® R1530 is a solvent free 100% solids moisture cure urethane product that performs as an all-in-one, single application adhesive, moisture vapor barrier and sound reducer for wood and bamboo flooring installations. It helps to protect against unforeseen moisture vapors that can destroy a wood flooring installation.**

**Features:**

- Adhesive, moisture vapor barrier and sound reducer – all in one
- For bamboo, solid and engineered wood flooring
- Single step application
- Moves with the wood

**Enviro Friendly:**

- Solvent free
- Zero VOCs (calculated)

Roberts R1530 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). 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](http://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 grade plywood, underlayment grade oriented strand board, vinyl composition tile (well bonded, free of wax, residential engineered wood floors only), acoustic cork underlayment, radiant heat systems, gypsum underlayment and terrazzo. *When used as an adhesive and moisture vapor barrier* – Concrete only.

**Surface Preparation:** Subfloors must be structurally sound, dry, smooth, flat, level and free of excess moisture/alkali and all substances (oil, wax, grease, paint, oil based sealers, etc.) that might interfere with the performance of the flooring or its installation.

All substrate cracks, holes, high spots and irregularities must be adequately repaired. Patching compounds must be suitable for the use application, polymer-modified and applied according to the manufacturer’s instructions. Expansion or other moving joints must not be filled or covered with flooring. Refer to ASTM 710 Standard Practice for Preparing Concrete Floors. Concrete must be flat ( $\leq 1/8$  inch in 10 ft.) with a minimum 3,000 psi. Burnished or steel troweled concrete must be roughened using a minimum

30-grit abrasive. Irregular substrates will lead to “hollow spots” or “popping.” It is very important to have a smooth level surface.

**Wood** – Subflooring, such as APA underlayment grade plywood, hardwood, oriented strand board (lightly sanded), or other materials, must be flooring grade and installed to the manufacturer’s specifications with adequate ventilation and moisture protection. Ensure wood substrates have a minimum 18 in. crawl space with adequate ventilation and moisture barrier protection. Cracks, chips and joints must be properly patched or repaired. Wood substrates must not have more than 12% moisture content. Ensure moisture content of wood subfloor is within acceptable moisture range of wood flooring prior to installation.

**Gypsum** – Gypsum based underlayments must be appropriately cured, dry, on or above grade, with a compressive strength of >2,500 psi for solid wood and >2,000 psi for engineered wood flooring. Consult flooring manufacturer for their specific recommendations for gypsum based underlayments.



Do not use this product as a moisture vapor barrier over water susceptible substrates such as plywood.

**General:** Ensure HVAC is fully operational and is set to the temperature that will be maintained during the life of the flooring installation.

Ensure substrate, flooring material and adhesive are fully acclimated prior to installation at the same temperature and humidity level expected during normal use (between 65–95°F) with a relative humidity (RH) of no greater than 65%. Refer to flooring manufacturer’s specific recommendations and industry standards.

Materials, substrate and area temperature must be between 65–95°F with a maximum RH of 65% for 48 hours before and during installation as well as for 72 hours afterward. Large temperature or humidity increases or decreases can affect the flooring and performance of the installation.



FLOORING TYPE	TROWEL SIZE	ROBERTS ITEM #	COVERAGE
Wood Flooring ( $\geq 1/2$ in. to $< 3/4$ in. thick)	3/8 in. x 5/16 in. 	10-839 / 10143	25–30 sq. ft. per gallon
Wood Flooring ( $< 1/2$ in. thick)	Tiger Tooth™ 1/4 in. x 3/16 in. 	10-838 / 10144	30–35 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.

**General (continued):**

This membrane reduces the transmission of moisture vapor from the concrete slab directly below it. It will not prevent moisture related issues such as leaks, spills, improper acclimation, improper drainage, improper construction, etc.

Ensure radiant heated floors have been in operation and that all excess residual moisture is removed (evaporated) from the system and the concrete slab is fully cured. Turn the heating system off to ensure that the adhesive does not dry too fast.

Ensure adequate ventilation during flooring installation.

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

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

Working Time: Up to 120 minutes

Cure Time: 8–10 hours

Shelf Life: One year in unopened container

Product Type: Urethane

Moisture Vapor Emissions: 15 lbs. or less (ASTM F1869) / 85% or less (ASTM F2170)

Freeze-thaw stable

**Installation:** Do not install solid wood flooring or bamboo below grade or over vinyl composition tile. Clean any adhesive from the surface of the flooring immediately with R5505. R1530 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.

*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 the appropriate surface tape to prevent boards from sliding or separating.

Roll flooring installation to ensure proper contact.

The amount of time in which the adhesive cures will vary with temperature and humidity. The higher the temperature and the higher the humidity the faster the adhesive will cure. Lift a board periodically to ensure 100%

coverage of adhesive to the flooring backing and the substrate. If the adhesive is not transferring to the backing of the wood; remove adhesive and reapply.

*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.

**Clean Up:** *Fresh adhesive* – use Roberts R5505 sparingly with a clean, white cotton cloth to immediately clean any adhesive from the surface of prefinished floors. Always test on a scrap of the flooring material prior to using on an installed floor to ensure that the cleaner will not damage the surface.

**Once R1530 cures it is extremely difficult to remove.**

Refer to material safety data sheet, [www.robertsconsolidated.com](http://www.robertsconsolidated.com) and industry standards prior to installation for additional information. For installation questions that are not covered in this document please contact our Technical Services Department at (706) 277-5294.

**Limited Warranty:** Buyer assumes all risk of use, handling and storage of product not in strict accordance with the label, printed literature and industry standards. **This limited warranty excludes all other express or implied warranties including the warranties of merchantability or fitness 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. Some states do not allow these limitations or exclusions, therefore they may not apply. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**Available Sizes:**

SIZE	PRODUCT #	UPC
5 Gallon	R1530-5	075378153054
4 Gallon	R1530-4	075378153047



**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](http://www.epa.gov/lead)