

1550

MAXCOMPLETE® POLYURETHANE WOOD FLOORING ADHESIVE

1. DESCRIPTION

ROBERTS® 1550 MAXCOMPLETE® Polyurethane Adhesive is manufactured for the installation of engineered wood, solid wood, parquet, and bamboo flooring. It is formulated to bond with APA/PSI-95 rated plywood, hardwood, underlayment-grade oriented strand board (lightly sanded), primed gypsum-based subflooring, radiant-heated slabs, rubber sports flooring, and properly prepared ceramic tiles (existing flooring). It can be applied with a 1/4 in. Flat V-Notch trowel when moisture mitigation is NOT necessary and with a 1/4 in. x 3/16 in. Tiger Tooth trowel for moisture mitigation purposes. It has an open time and working time of up to 60 minutes, and a curing time of approximately 24 hours. It can be sanded after 18 hours. It covers up to 40 sq. ft. per gallon. This adhesive has low odor, is LEED EQC 4.1 Compliant and VOC less than 15 g/L.

Features and Benefits

- Single component, 3-in-1 moisture-cured urethane
- Sound reduction, crack bridging, and unlimited moisture protection
- No moisture testing required
- 25-year bond warranty
- Coverage up to 40 ft²/gal
- Commercial and residential use

Sound Ratings

- STC 62 (ASTM E-90)
- FIIC 52 (ASTM E-989)
- Reduction of sound impact: ΔIIC 21 (ASTM 2179)

Approved Flooring Types

Solid wood flooring (up to 8" wide)

Engineered wood flooring (unlimited width)

Rubber sports flooring

Cork Flooring

Approved Substrates

APA/PSI-95 rated plywood

Hardwood

Underlayment-grade oriented strand board (lightly sanded)

Primed gypsum-based subflooring

Radiant-heated slabs

Rubber sports flooring

Properly prepared ceramic tiles (existing flooring)

For floorings and backings not listed, contact Technical Services at (706) 277-5294 (U.S.A)

Recommended Trowel and Coverage Rate*

1/4" x 1/4" x 1/4" (6.3 mm x 6.3 mm x 6.3 mm) Flat-Top V Notch (FOR ADHESIVE USE)

Flooring: up to 3/4" Solid Wood Flooring; < 3/4" Engineered Wood Flooring
Coverage: 30-40 ft²/per gallon (2.78-3.71 m²/per 3.78 L)

1/4" x 3/16" (6.3 mm x 4.7 mm) Tiger Tooth™ (FOR MOISTURE CONTROL / SOUND CONTROL)

Flooring: up to 3/4" Solid Wood Flooring; < 3/4" Engineered Wood Flooring
Coverage: 30-35 ft²/per gallon (2.7-3.2 m²/per 3.78 L)

1/4" x 1/4" V Notch (FOR MOISTURE CONTROL / SOUND REDUCTION)

Flooring: up to 3/4" Solid Wood Flooring; < 3/4" Engineered Wood Flooring
Coverage: 30-35 ft² per gallon (2.7-3.2 m²/per 3.78 L)

1/8" x 1/8" x 1/8" (3 mm x 3 mm x 3 mm) SQ Notch (FOR UNDERLAYMENT INSTALLATION)

Flooring: Cork or Rubber Underlayment as well as
Rubber Sports Flooring
Coverage: 80 ft²/per gallon (7.4 m²/per 3.78 L)

*NOTE: The trowel notches referenced are those typically recommended for the type of flooring being installed, and are referenced as a guide. Coverage rates will vary depending on trowel type, substrate and installation conditions. Consult flooring manufacturer for their specific trowel recommendations.



Superior Moisture Protection



Sound Reduction Barrier



Crack-Bridging Membrane

2. TECHNICAL DATA

Product Type:	One-Component, Moisture-Cured Polyurethane
Color:	Brown
Odor:	Mild
Working Time:	Up to 60 minutes <i>Setup time will vary slightly with temperature and porosity of substrate</i>
Curing Time:	24 hours. Environmental factors and substrate porosity effect cure rate. Restrict foot traffic and moving of heavy objects for 24 hours to allow adhesive to cure properly. Premature traffic can cause installation failure.
Traffic:	Residential: 24 hours Commercial: 24 hours Rolling Loads: N/A
pH:	Must not exceed 9
Shelf Life:	1 year from date of manufacture when stored in the original unopened container in a controlled environment. Does not require thinning.
Storage:	Protect from freezing
VOC:	< 15 g/L

3. INSTRUCTIONS

Limitations

- For indoor use only
- Do not install solid wood or bamboo below grade
- Do not install where hydrostatic pressure is present
- Do not install solid wood flooring over VCT / vinyl
- Do not install where moisture barrier hasn't been installed under the slab

Preparation

For use as an adhesive and moisture membrane: Concrete must be visibly dry. Inspect for any wetness at base of drywall, or visible or previous signs of moisture on concrete. Concrete and cement-based underlayments must be fully cured and free of any hydrostatic and/ or moisture problems. When properly applied in accordance with ROBERTS 1550 MAXCOMPLETE guidelines, this adhesive provides superior moisture vapor protection.

For use as an adhesive only: For protection of the wood flooring, follow the wood floor manufacturer's requirements for concrete moisture testing and tolerance. If substrate is not acceptable, use ROBERTS 1550 MAXCOMPLETE trowel size (at recommended coverage rate) to achieve moisture protection. See trowel chart and product data sheet for proper instructions.

Subfloors must be structurally sound, dry, smooth, flat ($\leq 3/16"$ within 10'), level and free of excess moisture / alkali and all substances (oil, wax, grease, paint, oil-based sealers, adhesive residue, etc.) that may inhibit the bond of the adhesive or the performance of the flooring or its installation. All substrate cracks, chips, holes, joints, high spots and irregularities must be adequately repaired. Expansion or other moving joints must not be filled or covered with flooring. Patching compounds must be suitable for the use application, cement-based and polymer-modified, and applied according to the manufacturer's instructions.

Installation

Maintain a consistent temperature and ambient relative humidity before, during and after installation (between 65-85° F and 30%-50% ambient RH). Post-installation period: maintain ambient relative humidity and temperature planned for building occupants. Follow all industry standards, as well as flooring manufacturer's recommendations for floor flatness, acclimation and application of wood flooring material. Apply ROBERTS 1550 MAXCOMPLETE to a properly prepared substrate; poured directly from the pail, and uniformly distribute the adhesive with the appropriate sized trowel. Keep the trowel at a 90° angle (to the subfloor) to maximize adhesive ridges and obtain stated coverage. Once flooring board is applied, press firmly into the adhesive field. Periodically check coverage of adhesive during installation: 100% substrate coverage and adhesive transfer is required to protect against damages from subfloor moisture. This also maintains a void-free bond. Roll the installation per the flooring manufacturer's recommended guidelines to ensure consistent contact.

Clean-up

ROBERTS 1550 MAXCOMPLETE is a chemical-curing adhesive, and once dry will form a chemical bond with the flooring surface. Clean any adhesive from surface flooring immediately.

Fresh adhesive – Use mineral spirits or urethane cleaner with a clean, white cotton cloth to immediately remove any adhesive from the floor surface. DO NOT POUR CLEANER DIRECTLY ONTO FLOORING.

Dried adhesive – Do not allow the adhesive to cure on the floor surface, tools or the equipment. Hardened adhesive will be difficult to remove. Once cured, the adhesive must be removed mechanically.

4. AVAILABILITY



4 G (15.14 L) Metal Pail 1550-4 075378000853



5. WARRANTY

Roberts Consolidated Inc. offers a limited-product warranty on this product when installed in accordance with the printed specifications.

25-Year Direct Bond

ROBERTS warrants that this product will be free from manufacturing defects for 12 months from the date of manufacture, 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 robertsconsolidated.com for full warranty details.

6. TECHNICAL SERVICES

For technical assistance or installation questions not covered in this document, please contact our Technical Services Department at (706) 277-5294 U.S.A.

⚠ WARNING: This product can expose you to chemicals including Quartz (SiO₂) >5µm, which is known to the State of California to cause cancer, and 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich, which is known to the State of California to cause birth defects or other reproductive harm

For more information go to www.P65Warnings.ca.gov



made in
USA

ROBERTS® and the e+ logo are registered trademarks of Roberts Consolidated Industries, Inc. • Q.E.P.® is a registered trademark of Q.E.P. Co., Inc.

H0525-12364



Roberts Consolidated Industries, Inc.
300 Cross Plains Blvd, Dalton, GA 30721
Customer Service: (866) 435-8665
Technical Support: (706) 277-5294
robertsconsolidated.com

a quality brand of
QEP