

# 1550

## MAXCOMPLETE®

### Polyurethane Wood Flooring Adhesive

#### 1. PRODUCT NAME

ROBERTS® 1550 MAXCOMPLETE® Polyurethane Wood Flooring Adhesive

#### 2. MANUFACTURER

Roberts Consolidated Industries, Inc.

300 Cross Plains Blvd  
Dalton, GA 30721

(866) 435-8665 / (706) 277-5294

#### 3. DESCRIPTION

ROBERTS® 1550 MAXCOMPLETE® is a single component, moisture-cured urethane adhesive, formulated for full-surface bonding of engineered, solid wood and bamboo flooring. This formula offers permanent elastomeric performance, moisture vapor protection, crack suppression and sound-reduction properties. ROBERTS 1550 MAXCOMPLETE is low odor and has 15 g/L VOC. Once cured, this superior adhesive is virtually unaffected by moisture.



Superior Moisture Protection



Sound Reduction Barrier



Crack-Bridging Membrane

#### Sounds Ratings

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

#### Features and Benefits

- Creates sound reduction layer.
- Bridges non-structural cracks in concrete—up to 1/8"
- Unlimited subfloor moisture vapor protection
- Highly elastomeric to move with the expansion / contraction of wood.
- Low odor, excellent green grab adhesive.
- Fast curing and excellent workability.
- Suitable for in-floor radiant heat installation
- Environ-Friendly—solvent-free and LEED® compliant; VOC<15 g/L, SCAQMD Rule 1168

#### Meets Environmental Standards

LEED® EQc 4.1 (100 g/L limit)	SCAQMD, Rule 1168 (100 g/L limit)	BAAQND, Reg 8, Rule 51 (120 g/L limit)
PASSES	PASSES	PASSES

#### Uses

For solid and engineered wood flooring (i.e., strips, long-strips, planks, panels, boards) and mosaic / industrial parquet flooring. This formula is also effective for installing rubber mats and rubber acoustic underlayment systems, as well as rubber sports flooring. ROBERTS 1550 MAXCOMPLETE is recommended for use in light commercial and residential applications. For ROBERTS 1550 MAXCOMPLETE to be used as a moisture membrane, the appropriate trowel size and installation method must be followed.

#### Coverage and Trowel Options\*

##### 1/4" x 1/4" x 1/4" (FOR ADHESIVE USE)

Flooring: < 3/4" Solid Wood Flooring;  
< 3/4" Engineered Wood Flooring  
Coverage: 30-40 ft<sup>2</sup> per gallon

##### 1/4" x 3/16" TigerTooth™ (FOR MOISTURE CONTROL / SOUND CONTROL)

Flooring: < 3/4" Solid Wood Flooring;  
< 3/4" Engineered Wood Flooring  
Coverage: 30-35 ft<sup>2</sup> per gallon

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

Flooring: < 3/4" Solid Wood Flooring;  
< 3/4" Engineered Wood Flooring  
Coverage: 30-35 ft<sup>2</sup> per gallon

##### 1/8" x 1/8" x 1/8" (FOR UNDERLAYMENT INSTALLATION)

Flooring: Cork or Rubber Underlayment  
as well as Rubber Sports Flooring  
Coverage: 80 ft<sup>2</sup> per gallon

\*The trowel notches referenced are those typically recommended for the type of flooring being installed and are shown as a guide. Consult flooring manufacturer for their specific trowel recommendations.

#### Substrates

Structurally sound, properly prepared concrete, APA or PS1-95 rated plywood, hardwood, underlayment-grade oriented strand board (lightly sanded), primed gypsum-based subflooring, radiant-heated slabs, and rubber sports flooring. Existing flooring includes: properly prepared ceramic tiles.

#### Limitations

- 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.



- This adhesive does not reduce or affect issues originating from the sides, ends, or top of flooring installations (i.e., puddles, water, leaks or hydrostatic-head, etc.).
- Refer to ROBERTS 1550 MAXCOMPLETE Safety Data Sheet, robertsconsolidated.com, industry standards and manufacturer's guidelines and specific recommendations (prior to installation) for additional details.

#### 4. TECHNICAL DATA

<b>Product Type:</b>	One-Component, Moisture-Cured Polyurethane
<b>Color:</b>	Light Brown
<b>Odor:</b>	Mild
<b>Open Time:</b>	Up to 60 minutes
<b>Working Time:</b>	Up to 60 minutes
<b>VOC:</b>	15 g/L
<b>MVER:</b>	Unlimited
<b>Shelf Life:</b>	1 year in unopened container
<b>Storage:</b>	Store in an unopened container, in dry conditions and protected from direct sunlight at temperatures between 50°F and 77°F (10°C and 25°C). Does not require thinning.

#### 5. INSTRUCTIONS

##### 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 instruction.

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. Expansions 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.

##### Curing

24 hrs. at 73°F (23°C) and 50% RH. Floor covering installation may accept light foot traffic after 6-8 hrs. (depending on climatic conditions and adhesive layer thickness) High temperature and high humidity will cause the adhesive to cure faster. After installation, restrict foot traffic and moving of heavy objects for 24 hours to allow adhesive to cure properly. Premature traffic can cause installation failure. 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.

#### Clean Up

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

*Dried adhesive* – Ne laissez pas l'adhésif durcir sur la surface du sol, les outils ou l'équipement. L'adhésif durci sera difficile à enlever. Une fois durci, l'adhésif ne peut être retiré que mécaniquement.

#### Storage:

- *Re-seal partially used container:* Always replace the lid after dispensing adhesive onto the substrate. Place a sheet of heavy plastic (e.g., trash bag) onto the adhesive. Secure lid.
- *Re-open partially used container:* Carefully pull lid open. Carefully cut and discard cured material and plastic from top of pail. Any uncured material may be used.

#### 6. AVAILABILITY

##### Packaging

4 gallon metal pail (15.14 L)	1550-4	075378000853
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#### 7. WARRANTY

##### 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.

#### 8. MAINTENANCE

Not applicable.

#### 9. TECHNICAL SERVICES

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

#### 10. FILING SYSTEM

Division 9

**⚠ WARNING:** This product can expose you to chemicals including Quartz (SiO<sub>2</sub>) >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](http://www.P65Warnings.ca.gov)



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