Roberts® 1407 is an acrylic urethane adhesive designed for the installation of engineered and parquet wood flooring.

**Features:**
- Holds trowel ridge for optimum wood contact
- Excellent working time
- Soap and water clean up

Roberts 1407 is protected by GoldGuard®, an antimicrobial protection system that inhibits the growth of mold, mildew and odor causing bacteria in both wet and dry adhesive.

**Enviro Friendly:**
- Solvent Free
- Low VOCs

Roberts 1407 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 for additional details. This product is certified Green Label Plus, “Look for the CRI Green Label Plus logo as proof that the product has been tested and certified by an independent laboratory and has met stringent criteria for low emissions.”

**Uses:** For bonding pre-finished engineered and pre-finished parquet (plain back).

Roberts 1407 adhesive is not recommended for finished cork having a wear surface or a vinyl backing. This adhesive is not recommended for cork that will be installed as the final flooring surface. Roberts 1407 is not recommended for cork underlayment when used for bamboo or solid wood flooring installations. When installing bamboo/solid wood flooring use Roberts R1509, R1530, or 1408 moisture cure urethane adhesives to adhere cork underlayment to substrate.

Roberts 1407 is not recommended for engineered floors that utilize rubber wood or teak as a final bonding (bottom) layer. This product is not recommended for engineered wood flooring that is greater than 1/2 in. thick, more than 5 in. wide, solid wood flooring or bamboo. Instead use Roberts R1509, R1530, or 1408 adhesives.

**Substrates:** Concrete (on and above grade), APA rated plywood, oriented strand board (lightly sanded), acoustic cork underlayment, primed gypsum underlayment, terrazzo and radiant heated flooring systems.

**Surface Preparation:** Subfloors must be structurally sound, dry, smooth, flat, level, 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 cement-based, polymer-modified, suitable for the use application 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 (≤ 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 Substrates** – Subflooring, such as APA underlayment grade plywood, hardwood, oriented strand board (lightly sanded), or other materials, must be floor coating 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

**Table:**

<table>
<thead>
<tr>
<th>FLOORING TYPE</th>
<th>TROWEL SIZE</th>
<th>ROBERTS ITEM #</th>
<th>COVERAGE</th>
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</thead>
<tbody>
<tr>
<td><strong>Pre-Finished Engineered Wood</strong> (≤ 1/2 in. thick, ≤ 5 in. wide)</td>
<td>1/4 in. x 1/4 in. x 1/4 in. V</td>
<td>49739</td>
<td>45–55 sq. ft. per gallon</td>
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<tr>
<td></td>
<td>1/4 in. x 1/4 in. x 1/4 in. V</td>
<td>10142-12</td>
<td></td>
</tr>
<tr>
<td><strong>Pre-Finished Parquet</strong></td>
<td>1/8 in. x 1/8 in. x 1/8 in.</td>
<td>49732</td>
<td>70–80 sq. ft. per gallon</td>
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<tr>
<td></td>
<td>1/8 in. x 1/8 in. x 1/8 in.</td>
<td>10123-12</td>
<td></td>
</tr>
</tbody>
</table>

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.
Surface Preparation (continued):

**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.

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 to fast.

Ensure that you are installing a dimensionally stable species of wood; narrower boards are typically more dimensionally stable than wider boards. Once the flooring is installed slowly raise the temperature to the normal operating temperature at which the system will be maintained (no higher than 80°F).

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%)

- **Open Time**: up to 20 minutes
- **Working Time**: up to 30 minutes
- **Product Type**: Acrylic urethane
- **Concrete Substrate Moisture Vapor Emissions**: 3 lbs. or less (ASTM F1869) / 75% or less (ASTM F2170)
- **pH**: must not exceed 9.0
- **Storage**: Protect from freezing
- **Shelf Life**: 1 year in unopened container

**Application and Installation**: Check manufacturer’s required expansion spacing around the perimeter of the room and any stationary objects prior to spreading adhesive.

Spread adhesive uniformly. Allow up to 20 minutes of open time before you place your flooring into the adhesive. Adhesive ridges should be of sufficient height to achieve full coverage of the substrate and the deepest recesses in the back of the flooring material.

Place flooring into the adhesive while the adhesive is still fresh and transfers readily to the flooring backing. The amount of time in which you have to place the flooring will vary with temperature and humidity. The higher the temperature and the lower the humidity the faster the adhesive will set.

Ensure boards are in full contact with the adhesive. Lift a board periodically to see if the adhesive is transferring 100% to the back of the flooring. If the adhesive is not transferring to the backing of the underlayment 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 – warm soapy water. Dried adhesive – use mineral spirits sparingly with a clean, white cotton cloth. DO NOT POUR CLEANER DIRECTLY ONTO FLOORING.

Refer to material safety data sheet, www.robertsconsolidated.com and industry standards prior to installation for additional information. For installation questions that are not covered please contact our Technical Services Department at (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 Sizes**:

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PRODUCT #</th>
<th>UPC</th>
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<td>4 Gallon</td>
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<td>075378140740</td>
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<tr>
<td>1 Gallon</td>
<td>1407-1</td>
<td>075378140719</td>
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</table>

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.