

# 1407

## ENGINEERED Advanced Acrylic Wood Flooring Adhesive

### 1. PRODUCT NAME

ROBERTS® 1407 ENGINEERED Advanced Acrylic 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® 1407 ENGINEERED is an advanced acrylic, easy to trowel adhesive, specifically designed for the installation of engineered and parquet wood flooring. Enviro-friendly, low VOC (2 g/L) and solvent-free, ROBERTS 1407 ENGINEERED offers substantial early grab and bond performance.



Maximum Bond & Flexibility



Easily Trowelable

### Features and Benefits

- For engineered wood floors up to 5" wide and ½ inch thick
- Easy to trowel; great green grab; strong durable bond
- Great for cork underlayment
- Enviro-Friendly – solvent-free and LEED® compliant; VOC < 2 g/L, SCAQMD Rule 1168
- GoldGuard® antimicrobial product protection
- Traffic –Residential to Moderate Commercial

### Meets Environmental Standards

LEED® EQc 4.1  
(100 g/L limit)

SCAQMD, Rule 1168  
(100 g/L limit)

PASSES

PASSES

### Uses

For bonding pre-finished engineered and parquet (plain back). This product is not recommended for engineered wood flooring that is greater than 1/2" thick, 5" wide, solid wood, bamboo or exotic wood flooring species. Use ROBERTS 1530 MaxGrab™ or ROBERTS 1550 MaxComplete™ wood flooring adhesives when installing these flooring types and during double-bond applications.

### Coverage and Trowel Options\*

1/4" x 1/4" x 1/4"

Flooring: ≤ 1/2" Engineered Wood  
Coverage: 45-55 ft<sup>2</sup> per gallon

1/8" x 1/8" x 1/8"

Flooring: Prefinished Parquet  
Coverage: 70-80 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.

### Limitations

- Refer to flooring manufacturer's specific guidelines and industry standards.
- Interior Use Only
- On grade and above grade installation only. Concrete moisture vapor emissions must not exceed 3 lbs. / 1000 ft<sup>2</sup> / 24 hours (pH must not exceed 9).
- Ensure adequate ventilation during flooring installation.



#### 4. TECHNICAL DATA

<b>Product Type:</b>	Advanced Acrylic Adhesive
<b>Color:</b>	Beige
<b>Odor:</b>	Very mild, non-offensive
<b>Open Time:</b>	Up to 20 Minutes
<b>Working Time:</b>	Up to 30 Minutes
<b>VOC:</b>	2 g/L
<b>pH:</b>	Must not exceed 9.0
<b>Shelf Life:</b>	1 year in unopened container
<b>Storage:</b>	Protect from freezing. Does not require thinning.

#### 5. INSTRUCTIONS

##### Preparation

Concrete and cement-based underlayments must be fully cured and free of any hydrostatic pressure and / or moisture problems. Subfloors must be structurally sound, dry, smooth, flat ( $\leq 3/16"$  within 10'), level and free of excess moisture/alkali and all contaminants (oil, debris, paint, sealers, adhesive residue, etc.) that may inhibit the bond of the adhesive or the performance of the flooring and its installation.

All substrate cracks, chips, holes, joints, 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.

##### Installation

Maintain the same temperature and humidity during the life of the installation (between 65-85°F) with a maximum RH of 65% for 48 hours (before, during and after installation). Follow all industry standards and floor covering manufacturer's recommendations for floor flatness, acclimation and application of flooring materials. Pour adhesive directly from the pail to the substrate as needed. Use appropriate trowel size to apply the adhesive. Adhesive ridges should be well defined, consistent and achieve full coverage of the substrate. Observe the Open Time. Do not allow the adhesive to skin over. (If the adhesive skins over, scrape away and re-apply). Apply flooring per manufacturer's instruction.

Press the board firmly into the adhesive so that the underside is sufficiently wetted. Lift a board periodically to ensure 100% transfer of adhesive has occurred to promote a void-free bond. Roll flooring installation per manufacturer's recommendation. Restrict foot traffic and moving of heavy objects for 24 hours to allow cure process. Premature traffic can cause installation failure.

**OPEN TIME:** Up to 20 minutes.

**WORKING TIME:** Up to 30 minutes.

**Curing: 8-10 hours.**

##### Clean Up

*Fresh adhesive* – warm, soapy water. Dried adhesive – mineral spirits (sparingly) on a clean, cotton cloth.

##### Storage

Protect from freezing. Does not require thinning. Store in an unopened container between 50°F and 77°F (10°C and 25°C) for up to one year.

#### 6. AVAILABILITY

##### Packaging

4 gallon plastic pail (15.14 L)	1407-4	075378140740
1 gallon plastic pail (3.78 L)	1407-1	075378140719
30 ounce Cartridge (887 mL)	1407-30C	075378140702

#### 7. WARRANTY

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 [www.robertsconsolidated.com](http://www.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](http://robertsconsolidated.com).

#### 10. FILING SYSTEM

Division 9



ROBERTS®, GoldGuard®, 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. "LEED®" and its related logo, is a trademark owned by the U.S. Green Building Council® and is used with permission.

11766