

# 5900

PREFERRED

## Ceramic Tile Adhesive

### 1. PRODUCT NAME

ROBERTS® 5900 Ceramic Tile Adhesive

### 2. MANUFACTURER

**Roberts Company Canada, Ltd.**

34 Hansen Road South  
Brampton, ON L6W 3H4  
(866) 435-8665 / (905) 791-4444

### 3. DESCRIPTION

ROBERTS 5900 is a high performance, ready-to-use Type I Mastic for installing ceramic, porcelain, natural stone, quarry and mosaic tile on floors and walls. It may be used for countertop, backsplash and shower wall installations, too. It spreads effortlessly, sets quickly and is easy to clean up.

#### Features and Benefits

- Type I Mastic for floors and walls
- Spreads easily, dries fast, simple cleanup
- Premixed and ready-to-use
- Meets ANSI A136.1 Type I and II specifications
- Traffic – Residential/Light Commercial

#### Uses

For the interior installation of porous and semi-porous ceramic tile, porcelain wall tile (up to 6" x 6"), mosaic tile and thin brick veneers.

#### Coverage and Trowel Options\*

##### 3/16" x 5/32"

Material: Glazed Wall Tile (up to 6" x 6"/150mm x 150mm)  
Coverage: Up to 5 m<sup>2</sup> per 3.78 liters / 53 ft<sup>2</sup> per gallon

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

Material: Heavy/Rough-Backed Tiles (up to 8" x 8"/200mm x 200mm); Glazed Wall Tile (up to 12" x 12"/300mm x 300mm)  
Coverage: Up to 3 m<sup>2</sup> per 3.78 liters / 31 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

Concrete (well cured; on-, above- or below-grade), masonry, cement backer board, cement mortar beds, cured Portland cement plaster, gypsum wallboard, coated glass mat backer board, water resistant gypsum wallboard, existing ceramic or resilient tile, plastic laminate, and association grade (CANPLY/APA) exterior plywood. Plywood should not be used for marble tile applications.

#### Limitations

- Maximum wall tile size is 12" x 12" (5 lbs), maximum size for floor tile is 8" x 8" (residential only).
- Interior use only.
- Do not use 5900 to install any type of ceramic tile fixtures, green marble or lug back tile.
- Do not use with glass tile.
- Do not use this product with glass tile or glass mosaics.
- Do not use where temperature will exceed 120°F.
- Do not use this product in areas subject to water submersion, shower floors or steam rooms. This product is not recommended in areas subjected to prolonged/constant water immersion.
- Materials and area temperature must be at a minimum of 50°F during installation, as well as 48 hour before and 72 hours afterward.
- Ensure adequate ventilation during flooring installation.
- Refer to Safety Data Sheet, [www.robertsconsolidated.com](http://www.robertsconsolidated.com), industry standards, and manufacturer's guidelines and specific recommendations prior to installation for additional information.



#### 4. TECHNICAL DATA

<b>Product Type:</b>	Acrylic Latex
<b>Color:</b>	Off-white
<b>Odor:</b>	Neutral
<b>Open Time:</b>	20-35 minutes
<b>Working Time:</b>	20-35 minutes
<b>VOC:</b>	56 g/L
<b>pH:</b>	Must not exceed 8.5
<b>Shelf Life:</b>	1 year in unopened container
<b>Storage:</b>	Freeze-thaw stable. Does not require thinning.

#### 5. INSTRUCTIONS

##### Preparation

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

Refer to ANSI 108.4 for installation guidelines. Maintain the same temperature and humidity during the life of the installation (between 65-95° F). Large temperature or humidity increases or decreases can affect the flooring and performance of the installation. This product is non-flammable. This product is not photochemically reactive. This product meets the requirements of ANSI A136.1 Type I and II specifications.

Using the flat edge of the trowel, work ROBERTS 5900 into the substrate. Then spread the mastic with the notched edge of the trowel. Do not spread more adhesive than you can set and align tile into within 20-35 minutes. The amount of time in which you have to place the tile will vary with temperature and humidity. Do not allow ROBERTS 5900 to skin over.

Press tile directly down into adhesive and align. Gently beat or twist tiles to ensure they are firmly embedded and have obtained complete contact.

Do not disturb tiles until adhesive has completely dried.

##### Curing

24 hours. Colder temperatures, high humidity, use of large semi-vitreous tiles (6" x 6" or larger), or non-porous substrates and non-porous tile will extend set times. An extended drying time is required when installing floor tiles over plywood substrates.

After installation, restrict foot traffic and moving of heavy objects for 24-48 hours to allow mastic to cure properly. Premature traffic can cause installation failure.

##### Clean-up

Fresh and excess from tile face – warm, soapy water.

#### 6. AVAILABILITY

##### Packaging

13.25 L / 3.5 U.S. gallon Plastic Pail	5900-3	075378590026
3.78 L / 1 U.S. gallon Plastic Pail	5900-1	075378590019
946 mL / 1 U.S. quart Plastic Pail	5900-0	075378590002

#### 7. WARRANTY

##### 5-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 [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 (905) 791-4444 or visit [robertsconsolidated.com](http://robertsconsolidated.com).

#### 10. FILING SYSTEM

Division 9



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