

ReliaBond® Professional Tile Adhesive



1. Product Name

ReliaBond® Professional Tile Adhesive

2. Manufacturer

Custom® Building Products

3. Product Description

Professional grade tile and stone adhesive. Engineered for the intermittent water exposure seen in tub surrounds and shower walls. Sag resistant and ideal for small format tile, pavers and stone installation on walls, floors and countertops. Recommended for tile up to 8" (20 cm) on any side, but can be used up to 15" (38.1 cm) with significantly longer dry times.

Meets ANSI A136.1, Type 1

Key Features

- For walls, floors and countertops
- Smooth, easy to trowel
- Ideal for small format tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Exterior Grade Plywood (EGP) - interior residential and light commercial dry areas
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile
- Fully-bonded sheet vinyl flooring
- Plastic laminates
- Cutback adhesive (see preparation instructions)

Benefits of Product in the Installation

- High bond strengths for 8" x 8" (20.3 cm x 20.3 cm) floor tile
- Meets ANSI A136.1, Type 1 requirements for intermittent water exposure

Limitations to the Product

- Recommended floor tile size: 8" (20 cm) or less on all sides.
- If dry time is a concern due to tile size or other limitations, use a traditional polymer modified thinset mortar instead.
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.

- When setting moisture sensitive natural stone, cement or agglomerate tile, check with Custom Technical Services; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring.
- Do not use to install resin-backed marble or stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Recommended for interior use only. Do not use for steam rooms, shower floors or underwater. For those installations, use CUSTOM® Polymer-Modified Mortar Systems.
- Not for use over radiant heat systems.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.
- Do not use to install fixtures, ungauged natural stone, gauged stone thicker than 3/8" (9.5 mm), transparent glass tile, translucent stone, Saltillo pavers or lug back tile on floors.

Packaging

- 3.5 gal (13.25 L) pail
- Color: White

4. Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.4 and A136.1, Type 1 American National Standards for the Installation of Ceramic Tile

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

Property	Test Method	Requirement	Typical Results
Open Time			60 Minutes
Adjustment Time			45 Minutes
Freeze-Thaw Stability			Stable
Shear Bond Strength			
7 Day Dry	A136.1 Section 6.2.3.1	> 50 psi	Pass
28 Day Dry	A136.1 Section 6.2.3.3	> 50 psi	Pass
Type I After Water Immersion	A136.1 Section 6.2.3.2	> 50 psi	Pass
Heat Resistance	A136.1 Section 6.2.3.5	> 10 lbs. per tile	Pass
Impact Resistance	A136.1 Section 6.2.3.6	Tile Remain Bonded	Pass
Staining	A136.1 Section 6.3	< 70% Penetration	Pass
Resistance to Mold Growth	A136.1 Section 6.4	No Growth	Pass

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials

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- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants

Movement Joint Placement

Expansion joints and cold joints, as described in ANSI A108.01, should never be bridged with setting material. They must be brought through the tile work and filled with an appropriate elastomeric sealant, such as Custom's® 100% Silicone. Contact Custom's® Technical Services for the proper treatment of control or saw cut joints. Refer to TCNA EJ171 for perimeter and field movement joints.

Curing of Product

Allow a minimum of 24 hours drying time before applying grout. Cure time can be greatly extended when setting dense tile, tile larger than 6" x 6" (15 x 15 cm), bonding tile to dense surfaces, in high humidity or when temperature is below 60°F (16°C).

Cleaning of Equipment

Remove fresh adhesive from tile surfaces with a damp cloth. Clean tools in warm soapy water.

Storage

Although this product is freeze-thaw stable, it is best if stored indoors at moderate temperatures.

Health Precautions

Contains petroleum distillates. If ingested, do not induce vomiting and call a physician immediately. Use with adequate ventilation. Non-flammable.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

5. Size & Availability

Location	Item Code	Size	Color	Package
USA	RBM3	3 1/2 gal (13.25 L)	White	Pail
Canada	CRBM3	3 1/2 gal (13.25 L)	White	Pail

Related Products

Polyblend® Plus Sanded Grout
 Fusion Pro® Single Component® Grout
 Prism® Ultimate Performance Grout
 CEG-IG 100% Solids Industrial Grade Epoxy Grout
 CEG-Lite™ 100% Solids Commercial Epoxy Grout

Coverage Chart

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)

Trowel Size	Min Coverage	Max Coverage
3/16" x 5/32" (5 x 4 mm) V-notch for tile up to 6" (15 cm) on any one side	40 sq. ft. (3.7 M ²)	60 sq. ft. (5.6 M ²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Sq notch for tiles up to 12" (30 cm) on any one side	15 sq. ft. (1.4 M ²)	25 sq. ft. (2.3 M ²)
1/4" x 3/8" x 1/4" Sq notch for tiles up to 15" (38 cm) on any one side	10 sq. ft. (.93 M ²)	14 sq. ft. (1.4 M ²)

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Recommended minimum coverage (80% for dry areas and 95% for wet areas). Back buttering may be necessary. For any tile with the longest side 15" +, use a medium bed mortar from CUSTOM designed for large format and heavy tile.

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more sizes, use the material calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786.