

RELIABOND® CERAMIC TILE ADHESIVE TYPE I

- **Smooth, easy to trowel**
- **Strong and water resistant**
- **Non-slip**
- **Available in two formulations for differing weather conditions**

PRICE



PRODUCT DESCRIPTION

An all-purpose pro-formula adhesive, ReliaBond® is formulated for use on wall, floor and countertop installations of ceramic and stone (walls only) tile. Its smooth, creamy acrylic formula spreads easily and offers great slip resistance on vertical applications. Exceeds ANSI A136.1 Type I requirements for organic adhesives. Protected by MoldGard® Technology to resist mold and mildew growth. Available in two formulations designed for differing weather conditions:

- **ReliaBond Ceramic Tile Adhesive**
Ideal for most climates and weather conditions.
- **ReliaBond ES Extended-Setting Ceramic Tile Adhesive**
Developed for hot weather conditions above 90° F (32° C) and warm, dry climates.

USES — TILE TYPES

Ceramic, mosaic, quarry, pavers, gauged slate, porcelain and gauged stone (walls only) tile. Maximum ceramic tile size for floor applications is 8" x 8" (20 cm x 20 cm).

AREAS OF USE

- For interior use on floors, walls and countertops
- Interior wet areas with prolonged water exposure such as commercial showers, tub surrounds and shower walls as defined by ANSI A136.1, Type I requirements
- Concrete, masonry, plaster
- Gypsum wallboard (dry areas)
- Water-resistant wallboard
- WonderBoard®, cement backerboards
- Exterior grade plywood (interior dry areas)
- Existing ceramic tile
- Resilient flooring
- Existing plastic laminate

LIMITATIONS

- Do not bond directly to hardwood, Luan plywood, parquet, particleboard, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Do not use outdoors; use an appropriate Custom thin-set mortar.
- Do not use in steamrooms, shower floors, underwater or areas exposed to hydrostatic pressure.
- Do not use over wood surfaces in wet areas.
- Do not use to install fixtures, ungauged natural stone, gauged stone thicker than 3/8" (9.5 mm), transparent glass tile, Saltillo pavers or tile with lugs on floors.
- When setting moisture sensitive natural stone (check with manufacturer) use OptiCure™ Fortified Thin-Set Mortar or 100% Solids Epoxy Mortar. When setting white or translucent marble use an appropriate Custom polymer-modified, white thin-set mortar. Do not use to install resin-backed marble.

SURFACE PREPARATION

General Surface Preparation:

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Ambient temperature, surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) for 72 hours.

Cementitious Surfaces:

Concrete or plaster must be fully cured and accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved. If water beads, surface contaminants are present and loss of adhesion may occur. The contaminants should be removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be roughened to ensure a good bond.



Plywood Substrates:

Plywood floors including those under resilient flooring must be built to industry standards. Deflection not to exceed L/360. For questions about proper subfloor installation, call Technical Services.

WonderBoard® Backerboards:

As a superior alternative to an additional layer of plywood, WonderBoard Backerboard may be installed over plywood subfloors. Refer to their respective data sheets for installation information.

Existing Ceramic Tile, Resilient Flooring or Plastic Laminates:

Plywood flooring must be structurally sound and meet all ANSI and deflection requirements. Resilient flooring or plastic laminates must be well bonded, clean and free of all contaminants. Roughen the surface by sanding or scarifying, rinse and allow to dry. Do not sand flooring containing asbestos. For existing well-bonded ceramic tile, mechanically abrade with carborundum stone. Rinse and allow to dry. When sanding we recommend the use of an approved respirator.

Expansion Joints:

Expansion joints, control joints and cold joints should never be bridged with setting material. They must be brought through the tile work and filled with an appropriate elastomeric sealant.

Cutback Adhesive over Concrete:

Thick accumulations, powdery, brittle or weak adhesive layers must be removed. Use extreme caution as adhesives may contain asbestos fibers. Do not sand or grind adhesive residue, as harmful dust may result. Use the wet-scraping and wet-sweeping method outlined in the Resilient Floor Covering Institute pamphlet "Recommended Work Practices for Removal of Resilient Floor Coverings." Never use adhesive removers or solvents, as they weaken or soften the adhesive and may cause it to penetrate into the concrete. The remaining residue should be no thicker than a coat of paint and should be almost transparent. Always install an adequate number of properly located test areas.

APPLICATION

INSTALLATION TO CONFORM TO ANSI A108.4.

Using flat side of trowel, apply skim coat of adhesive with appropriate size trowel. Apply additional adhesive with notch side of trowel held at a 45° angle to the surface combing in one direction. Press tile firmly into place in a perpendicular motion across ridges, moving back and forth. Perpendicular pressing flattens ridges and closes valleys allowing maximum coverage. With some tile, back buttering is advisable. Adjust tile promptly and beat in with block and rubber mallet. Periodically pull up a tile and check the back to ensure complete coverage with the adhesive. Do not apply more adhesive than can be covered with tile in 30 minutes. If adhesive starts to skin over (not sticky), retrowel before setting tile.

CURING

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 cm x 15 cm), bonding tile to dense surfaces, in high humidity or when temperature is below 60° F (16° C).

COVERAGE

Approximately 40 - 60 ft² per gallon (3.7 - 5.6 M²) using a 3/16" x 5/32" (5 mm x 4 mm) V-notch trowel.

RECOMMENDED TROWEL SIZE

3/16" x 5/32" (5 mm x 4 mm) V-notch for tile

up to 6" x 6" (15 cm x 15 cm)

1/4" x 1/4" x 1/4" (6 mm x 6 mm x 6 mm) square-notch for tile over 6" x 6" (15 cm x 15 cm)

CLEAN-UP

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.

SAFETY

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

ORDERING INFORMATION

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	RBM3	3 1/2 gallon (13.25 L)	White	Pail
USA	RBM3ES	3 1/2 gallon (13.25 L)	White	Pail
Canada	CRBM3	3 1/2 gallon (13.25 L)	White	Pail
Canada	CRBM3ES	3 1/2 gallon (13.25 L)	White	Pail

TECHNICAL DATA

Exceeds ANSI A136.1 Type I requirements.

	RELIABOND®	RELIABOND® ES
Applicable ANSI Standards	A136.1 Type I	A136.1 Type I
Adjustment Time	45 minutes	60 minutes
Open Time	60 minutes	60 minutes
Shear Strength:		
Type I Water Immersion	65 psi	65 psi
Freeze/Thaw	Stable	Stable
Stain Test	Passes	Passes
Impact Test	Passes	Passes
Heat Resistance	Passes	Passes

WARRANTY

Custom's Standard Warranty applies. For complete information call 800-272-8786 or visit www.custombuildingproducts.com.

