

RELIABOND™

CERAMIC TILE ADHESIVE TYPE I

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

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. 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®, RhinoBoard™, 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 Marble & Granite Stone Setting Adhesive 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. Surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) until adhesive cures.

Cementitious Substrates:

Concrete must be porous, fully cured, free of any surface contaminants and efflorescence and not subject to hydrostatic pressure. Surface should accept water penetration to form a good bond. 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 slabs should be finished with a steel trowel and fine broom finish to enhance the bond. Smooth concrete slabs must be roughened to ensure a good bond.



CUSTOM[®]
BUILDING PRODUCTS

Plywood Substrates:

All wood flooring materials and construction should meet the minimum requirements established by ANSI specifications. The floor must be rigid and structurally sound with deflection not to exceed L/360 of the span. To improve bonding, we recommend sanding the plywood with coarse sandpaper or disc. Remove all loose particles then damp mop.

WonderBoard® and RhinoBoard™ Backerboards:

As a superior alternative to an additional layer of plywood, WonderBoard or RhinoBoard Backerboards 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.

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 about 1/8" - 1/4" (3 - 6 mm). 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.

DRYING TIME

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).

CLEAN-UP

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

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" (15.2 cm x 15.2 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" (15.2 cm x 15.2 cm)

PHYSICAL PROPERTIES

Color: White

Packaging: 3-1/2 gallon (13.25 L) pail

Weight: 46 lbs. (20.86 kg)

Shelf Life: One year from date of manufacture.

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

ITEM CODE

RBM3 - ReliaBond Ceramic Tile Adhesive

RBM3ES - ReliaBond ES Ceramic Tile Adhesive

SAFETY

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

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 min.	60 min.
Open Time	60 min.	60 min.
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

