

T1-60

WALL & FLOOR TILE ADHESIVE TYPE I

- High tack, quick grab
- Easy to cleanup
- Fast drying

PRODUCT DESCRIPTION

Commercial grade T1-60 Wall & Floor Tile Adhesive offers economical and durable bonds for most wall, floor and countertop installations of ceramic tile. Meets ANSI A136.1 Type I requirements for organic adhesives.

USES - TILE TYPES

Ceramic, mosaic, quarry, pavers, gauged slate and porcelain 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 gang 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 (walls and countertops)
- Plastic laminates

LIMITATIONS

- Do not bond directly to hardwood, Luan plywood, particle board, Parquet, cushion or sponge-back vinyl flooring or their adhesive residue, resilient flooring, metal, fiberglass, plastic and OSB panels.
- 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 outdoors; use an appropriate Custom thin-set mortar.
- Do not use to install fixtures, ungauged natural stone, gauged slate thicker than 3/8" (9.5 mm), marble or granite tile, transparent glass tile, Saltillo pavers or tile with lugs on floors.

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 and 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.

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 or Plastic Laminates:

Plywood flooring must be structurally sound and meet all ANSI and deflection requirements. Plastic laminates must be well bonded, clean and free of all contaminants. Roughen the surface by sanding or scarifying, rinse and allow to dry. 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.



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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 mm - 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), re-trowel 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" (15.2 cm x 15.2 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: 48 lbs. (21.77 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

T1603

SAFETY

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

TECHNICAL DATA

Meets ANSI A136.1 Type I specifications.

	T1-60
Applicable ANSI Standards	A136.1 Type I
Adjustment Time	40 min.
Open Time	50 min.
Shear Strength:	
Type I Water Immersion	50 psi
Freeze/Thaw	Stable
Stain Test	Passes
Impact Test	Passes
Heat Resistance	Passes



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