T1-60™ Economical Tile Adhesive



1. Product Name

T1-60™ Economical Tile Adhesive

2. Product Description

Ceramic tile adhesive suitable for most wall, floor and countertop installations. Offers superior adhesion and easy clean-up. 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 I

Key Features

- For basic floor and wall tile installations
- Easy to clean-up
- Ideal for small format tile

Suitable Substrates

- 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
- Exterior Grade Plywood (interior dry areas)
- Existing ceramic tile (walls and countertops)
- Plastic laminates

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 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 of 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

3. 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			50 Minutes
Adjustment Time			40 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
- 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, F125 and F125A for placement of perimeter and field movement joints.

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Curing of Product
Allow a minimum of 24 hours drying time before applying grout. Cure time can be greatly extended when setting dense tiles, tiles 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. Call a physician immediately. Use with adequate ventilation. Nonflammable.

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

4. Size & Availability

Item Code	Size	Color	Package
T1603	3 1/2 gal. (13.25 L)	White	Pail

Related Products
Polyblend®Plus Sanded Grout
Fusion Pro® Single Component® Grout
CEG-Lite™ 100% Solids Commercial Epoxy Grout
CEG-IG 100% Solids Industrial Grade Epoxy Grout
Prism® Ultimate Performance 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 M²)	60 sq. ft. (5.6 M²)
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 M²)	25 sq. ft. (2.3 M²)
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 M²)	14 sq. ft. (1.4 M²)

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.

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