OmniGrip® Premium Lightweight Tile Adhesive



1. Product Name

OmniGrip® Premium Lightweight Tile Adhesive

2. Manufacturer

Custom® Building Products

3. Product Description

Flexible, lightweight tile and stone adhesive with 33% less shrinkage than traditional adhesives. Engineered for intermittent water exposure. Sag resistant and ideal for small format tile, pavers and stone installation on walls, floors and countertops. Recommended for tile up to 12″ (30.5 cm) on any side, but can be used up to 15″ (38.1 cm) with significantly longer dry times.

Exceeds ANSI A136.1, Type 1

Key Features

- High flexibility and bond strength
- 33% less shrinkage than traditional adhesives
- Sag and slip resistant - immediately holds wall tiles in place
- Ideal for small format tile
- Great for tub surrounds or shower walls

Suitable Substrates

- Concrete, masonry, plaster
- Gypsum wallboard in dry areas only
- Exterior Grade Plywood in dry interior areas
- Existing ceramic tile
- Resilient flooring
- Existing plastic laminate

Composition of Product

Proprietary blend of acrylic copolymers, calcium carbonate and inorganic materials.

Benefits of Product in the Installation

- 33% less shrinkage than traditional adhesives for maximum coverage and bond
- Lightweight Weighs 33% less than traditional adhesives
- Exceeds ANSI A136.1, Type 1 standards for prolonged water exposure
- Flexible for increased crack resistance

Limitations to the Product

- If dry time is a concern due to tile size or other limitations noted, use a traditional polymer modified thinset mortar
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring.
- 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 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

- 1 gal (3.78 L) pail
- 3.5 gal (13.25 L) pail
- 1 qt (0.95 L) pail Canada only
- 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			> 60 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	Exceeds
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

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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 for perimeter and field movement joints.

Curing of Product

Allow to cure for a minimum of 24 hours before grouting, depending upon temperature and humidity. Cure time can be greatly extended when setting dense tiles, tiles larger than 6" x 6" (15 x 15 cm), 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.

Health Precautions

This product contains petroleum distillates. Avoid eye contact or prolonged contact with skin. If ingested, do not induce vomiting; call a physician immediately. Use with adequate ventilation.

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	OGA1-2	1 gal (3.78 L)	White	Pail
USA	OGA3	3 1/2 gal (13.25 L)	White	Pail
Canada	COGAQT	1 qt (.946 L)	White	Pail
Canada	COGA1-2	1 gal (3.78 L)	White	Pail
Canada	COGA3	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
Prism® Ultimate Performance Grout
CEG-IG 100% Solids Industrial Grade Epoxy Grout

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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" (38.1 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 and exteriors. 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.