1. Product Name
OmniGrip® Maximum Strength Adhesive
ReliaBond® Ceramic Tile Adhesive
AcrylPro® Ceramic Tile Adhesive

2. Manufacturer
Custom Building Products
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Seal Beach, CA 90740-2757
(800) 272-8786
(562) 598-8808
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3. Product Description

**BASIC USE**
OmniGrip® Maximum Strength Adhesive
OmniGrip is a flexible, high polymer, maximum strength adhesive for thin-set tile and stone applications. Designed to resist prolonged water exposure, OmniGrip has 33% less shrinkage than traditional adhesives and can be used for ceramic, mosaic, quarry, pavers, gauged slate, porcelain and gauged stone floor installations.

Uses for OmniGrip include:
- Exterior walls to 8’ (2.4 m) high in covered areas with intermittent water exposure
- Ceramic floor tiles to 16” x 16” (40.6 x 40.6 cm) and stone floor tiles to 12” x 12” (30 x 30 cm)
- Interior floors, walls, counters
- Concrete, masonry, plaster
- Gypsum wallboard in dry areas only
- WonderBoard cement backerboards
- Exterior grade plywood in dry interior areas
- Existing ceramic tile
- Resilient flooring
- Existing plastic laminates

**COMPOSITION & MATERIALS**
OmniGrip, ReliaBond and AcrylPro are ready-to-use, proprietary blends of acrylic copolymers, calcium carbonate and inorganic materials.

**SIZES, COLORS**
OmniGrip
- 1 gal (3.78 L) pail
- 3.5 gal (13.25 L) pail
- 1 qt (0.95 L) pail - Canada only
- White

ReliaBond
- 3.5 gal (13.25 L) pail
- White

AcrylPro
- 1 qt (0.95 L) pail
- 1 gal (3.78 L) pail
- 3.5 gal (13.25 L) pail
- Canada - 1 qt (0.95 L), 6.5 lb (2.9 kg) pail
- White

**USES**
- High bond strengths for 12” x 12” (30 x 30 cm) floor tile
- Meets ANSI A136.1, Type 1 requirements for intermittent water exposure
- Suits for ceramic floor tiles to 8” x 8” (20 x 20 cm)
- Increased slip resistance on vertical applications
- slate, porcelain and gauged stone floor installations.

BENEFITS
OmniGrip
- 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
- Suits for ceramic floor tiles to 16” x 16” (40.6 x 40.6 cm) and stone floor tiles to 12” x 12” (30 x 30 cm)
- Flexible for increased crack resistance

ReliaBond
- 2 formulas for installation flexibility in varied climates and temperatures
- Exceeds ANSI A136.1, Type 1 requirements for organic adhesives
- Suits for ceramic floor tile to 8” x 8” (20 x 20 cm)
- Increased slip resistance on vertical applications

AcrylPro
- High bond strengths for 12” x 12” (30 x 30 cm) floor tile
- Exceeds ANSI A136.1, Type 1 requirements for intermittent water exposure

**LIMITATIONS**
- Do not bond directly to hardwood, lauan plywood, particleboard, parquet, cushion or sponge back vinyl flooring, metal, fiberglass, plastic or OSB panels
- For moisture sensitive natural stone, cement or agglomerate tile, use OptiCure® Fortified Thin-Set
- Do not use for resin-backed marble or stone; use OptiCure Fortified Thin-Set Mortar
- Do not use for steam rooms, showers, underwater or areas exposed to hydrostatic pressure
- Do not use over wood surfaces in exterior or 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
- Do not use for ReliaBond or AcrylPro for exterior applications; OmniGrip can be used for covered areas and on walls to 8’ (2.4 m) high.

4. Technical Data

**APPLICABLE STANDARDS**
American National Standards Institute (ANSI)
- ANSI A108/A118/A136 American National Standards for the Installation of Ceramic Tile

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5. Installation

PREPARATORY WORK

General Surface Preparation

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

Cementitious Surfaces

Concrete or plaster must be porous, fully cured and must accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur. 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 mechanically abraded to ensure a good bond.

Plywood Substrates

Plywood floors must be structurally sound and must meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Custom Building Products.

WonderBoard Backerboard

As a recommended alternative to additional layers of plywood, WonderBoard Backerboard may be installed over plywood subfloors. Refer to product data sheets for installation information.

Existing Ceramic Tile, Resilient Flooring or Plastic Laminates

Plywood flooring must be structurally sound and must meet all ANSI and deflection requirements. Resilient flooring or plastic laminates must be well bonded, as well as clean and free of all contaminants. Roughen the surface by sanding or scarifying, rinse and allow to dry. Do not sand flooring that contains asbestos. For existing well-bonded ceramic tile, mechanically abrade the surface. Rinse and allow to dry. An approved respirator should be used when sanding.

Expansion Joints

Construction, expansion, expansion and isolation 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. Refer to TCNA EJ171.

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. 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.

METHODS

Application

Installation must conform to ANSI A108.4. Use a properly sized notched trowel to ensure proper coverage under tiles.

Using the flat side of the trowel, apply a skim coat of adhesive to the surface. Apply additional adhesive with the notched side of the trowel held at a 45 degree angle to the surface, combing in one direction. Press the tile firmly into place with a perpendicular motion across ridges, moving back and forth. The perpendicular motion flattens ridges and closes valleys, allowing maximum coverage. With some tile, back buffering is advisable. Adjust the tile promptly and beat it in with a block and rubber mallet. Periodically pull up a tile and check the back to ensure proper adhesive coverage. Do not spread more adhesive than can be tiled within 45 minutes. If the material has skinned over (not sticky), retrowel before setting tile.

Drying Time

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 tile, tile larger than 6" x 6" (15 x 15 cm), in high humidity, or when temperature is below 60 degrees F (16 degrees C).

Cleaning

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

Coverage

Coverage is approximately 40 - 60 ft²/gal (1 - 1.5 m²/L) using a 3/16" x 5/32" (5 x 4 mm) V-notch trowel.

Recommended Trowel Sizes

- 3/16" x 5/32" (5 x 4 mm) V-notch for tile to 6" x 6" (15 x 15 cm)
- 1/4" x 1/4" x 1/4" (6 x 6 mm) square-notch for tile over 6" x 6" (15 x 15 cm)
- 1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) square-notch for tile 8" x 12" (20 - 30 cm)

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.

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

6. Availability & Cost
Contact the manufacturer or visit the www.custombuildingproducts.com website for information about product cost and availability.

7. Warranty
OmniGrip, ReliaBond and AcrylPro are eligible for Custom Building Products’ Lifetime Installations Systems Warranty. For complete information, contact Custom Building Products or visit the www.custombuildingproducts.com website.

8. Maintenance
Properly installed product requires no special maintenance.

9. Technical Services
For technical assistance, contact Custom Building Products or visit the manufacturer's website at www.custombuildingproducts.com.

10. Filing Systems
• SmartBuilding Index (SBI)
• Additional product information is available from the manufacturer upon request.