

Complete Contact™ -LFT Premium Rapid Setting Large Format Tile Mortar



1. Product Name

Complete Contact™ -LFT Premium Rapid Setting Large Format Tile Mortar

2. Product Description

Full contact, rapid setting medium bed mortar designed for large format tile floors without the need for backbuttering. Grout in as little as 2 hours. Light traffic in 4-6 hours.

Key Features

- Flowable properties reduce the need for back-buttering
- Non-slump - For use as a thin or medium bed mortar up to 3/4"
- Exceeds ANSI A118.15F and A118.11

Benefits of Product in the Installation

Specifically formulated for floors, Complete Contact™ LFT Rapid Setting offers full mortar transfer to the back of the tile eliminating the need for back-buttering or beating-in techniques. Unlike traditional thin-sets, it is more fluid yet holds its ridges and supports the deeper notch trowel sizes required for large format tiles and stones but actually uses less water than traditional mortars.

- Formulated with Controlled Cure Technology™, it cures rapidly developing high early and final strength for quick installations - can be grouted in 2-4 hours and can withstand heavy commercial traffic 24 hours after grouting.
- It can be used in thin-bed as well as medium-bed applications with all types and sizes of tile up 3/4".
- Exceeds ANSI A118.4F, A118.11 and A118.15F without the need for additives.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features. CUSTOM recommends MegaLite® Crack Prevention Mortar, MegaFlex® Crack Prevention Mortar and ProLite® Large Tile and Stone Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Custom Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone use EBM-Lite™ Epoxy Bonding Mortar 100% Solids, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Custom's® Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm),

contact Custom's® Technical Services for recommendations.

- Ensure that the substrate meets deflection requirements.

Packaging

- 50 lb (22.68 kg) bag
- Gray or white

Technical Chart

Property	Test Method	Requirement	Typical Results
Pot Life			40-60 minutes
Open Time	ANSI A118.15 Section 5.3	> 20 minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	ANSI A118.15 Section 7.1.2	> 450 psi	450 - 500 psi (31.6 - 35.2 kg/cm²)
Porcelain Tile	ANSI A118.15 Section 7.2.5	> 400 psi	400 - 475 psi (28.1 - 33.4 kg/cm²)
Quarry Tile to Plywood	ANSI A118.11 Section 4.1.2	> 150 psi	225 - 300 psi (15.8 - 21.1 kg/cm²)

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

Mixing Ratios

Mix 5 qts (4.73 L) clean water per 50 lb (22.68 kg) bag of Complete Contact-LFT Rapid Setting Mortar.

Mixing Procedures

Mix by hand or use a low 150-200 RPM speed 1/2" (13 mm) drill to achieve a smooth, paste-like consistency. Let the mixture slake or stand 5-10 minutes; stir again and use. Stir occasionally, but do not add more water. When properly mixed, troweled ridges will stand without slump.

Application of Product

Installation must conform to ANSI A108.5. Use a properly-sized notch trowel to ensure proper coverage under tiles. Using the flat side of the trowel, apply a skim coat of mortar to the surface. With the notch side of the trowel held at a 45° angle, apply additional mortar to the surface, combing in one direction. Press the tile firmly into place in a perpendicular motion across ridges, moving back and forth. The perpendicular motion flattens ridges and closes valleys, allowing maximum coverage. With some tile, back-buttering is advisable. Adjust the tile promptly and beat it in with a beating block and rubber mallet. Periodically pull up a tile and check the back to ensure proper adhesive coverage. If the material has skinned over (not sticky to the touch), recomb with the notch trowel; if too dry, remove and replace the dry material with fresh material. Thin Set Mortar should not be used to fill low spots in the flooring. Mortar thickness should be less than 3/4" when beat in.

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Curing of Product

Curing time is affected by ambient and surface temperatures and humidity. Use the following as a guideline. Allow 3 hours before grouting, 4 hours before light traffic, and 3 days before heavy or vehicular traffic. Before exposure to heavy or vehicular traffic, assure assembly is rated "Heavy or Extra Heavy" per TCNA Service Requirements. As necessary, use plywood or other load distributing protection when moving heavy equipment across tiled assembly. Submerged installations must cure for 14 days before filling with water.

3. Size & Availability

Location	Item Code	Size	Color	Package
USA	CCLFTRSG50	50 lbs (22.68 kg)	Gray	Bag
USA	CCLFTRSW50	50 lbs (22.68 kg)	White	Bag
Canada	CCCLFTRSG50	50 lbs (22.68 kg)	Gray	Bag
Canada	CCCLFTRSW50	50 lbs (22.68 kg)	White	Bag

Related Products

Fusion Pro® Single Component® Grout
Prism® Ultimate Performance Grout

Coverage Chart

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more trowel sizes, please use the material calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at (800)282-8786.

Trowel Size	Min Coverage	Max Coverage
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 M ²)	100 sq. ft. (9.3 M ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 ft ² (5.6 M ²)	67 ft ² (6.2 M ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch	IMPORTANT NOTE BELOW 42 ft ² (3.9 M ²)	IMPORTANT NOTE BELOW 47 ft ² (4.4 M ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U- Notch @45° angle	34 ft ² (3.2 M ²)	38 ft ² (3.5 M ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U- Notch @30° angle	42 ft ² (3.9 M ²)	47 ft ² (4.4 M ²)

***IMPORTANT NOTE:** Custom Building Products does not recommend the use of a 1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notched trowel as the 1/2" spacing between each square notch has been shown to make it more difficult to bed tiles and achieve proper mortar coverage. CUSTOM recommends the use of a trowel design that promotes mortar ridge collapse such as either a deeper, slanted, U-notch, V-notch, or ridged large format trowel when applying thicker amounts of mortar to accommodate tile warpage and back pattern recesses. Applying mortar using a 3/4" x 9/16" x 3/8" (19mm x 14mm x 9.5 mm) U- Notch at a 30° angle provides better coverage between the tile and the substrate and the same coverage area as a 1/2" notched trowel.

Regardless of the trowel used, mortar coverage between the substrate and tile underside is required to be ≥80% for dry areas and ≥95% for wet areas and exteriors with all tile edges properly supported with mortar and in a minimum of 3/32" (2.38 mm) and a maximum of 3/4" (19mm) continuous thickness. Note: Larger tiles, tiles with deep underside patterns and ungauged natural stone tiles may require larger notch sizes and may need to be flat back-troweled (formerly back buttered) or notched-back troweled to achieve proper coverage and mortar support. To meet warranty requirements, CUSTOM recommends testing to confirm adequate bonding mortar coverage.

When back troweling, consider the tile's underside pattern and depth to estimate thickness and usage to add to your estimate. For achieving proper mortar coverage see the following video: [Trowel & Error](#). (Also available in Spanish and Russian.) For information regarding back troweling, refer to The National Tile Contractors Association / Reference Manual & [Flat Back & Notched Back - Troweling \(TileTVS3 22 08\)](#)