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MAXIBOND PRO™ LFT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

MAXIBOND PRO™ LFT is a premium, polymer-modified thin-set mortar designed as a non-slumping product that is easy to apply with no tile lippage, increased bond strength, a creamy and smooth consistency and with a great open/adjustability time. This product is designed for the installation of large-format and heavy ceramic, gauged (thin) porcelain and irregular-thickness stone tile.

Available in Gray and White 50 Lb. bags

INDUSTRY STANDARDS AND APPROVALS

- ANSI: Exceeds ANSI A118.4, ANSI A118.11 Requirements

WHERE TO USE

- Most interior and exterior residential and commercial installations on floors and walls.
- Installation of large-format tile, porcelain, ceramic, and natural stone.
- Installation of quarry, Saltillo tile, brick stone veneer, pavers, most types of marble, and granite.

SUITABLE SUBSTRATES

- Concrete (Cured for at least 28 days).
- Masonry cement block, brick, cement mortar beds, and leveling coats.
- Cement backer units (CBUs) – reference manufacturer's installation guidelines.
- Gypsum wallboard and plaster – interior walls in dry areas only.
- Exterior grade plywood- interior use only.
- CementPro waterproofing and crack-isolation membranes.

Reference CementPro's Customer Service Department for installation recommendations concerning substrates not listed.

LIMITATIONS

- Install only at temperatures between 40°F and 95°F.
- Do not use for moisture-sensitive stone (some limestone and green granite), agglomerate tiles, or resin-backed tiles.

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- Do not bond directly to hardwood, particle board, parquet, cushion, or sponge backed vinyl flooring, metal, fiberglass, plastic, or OSB panels.
- The completed installation should be cured a minimum of 14 days and allowed to dry before exposure to prolonged water such as swimming pools, fountains, and communal showers.

SURFACE PREPARATION

- All surfaces should be frost free and between 40°F and 95°F, structurally sound, clean, hard, and free from dirt, dust, sealers, or any other bond breaking contaminants.
- Concrete slabs must be fully cured, (28 days), structurally sound, and dimensionally stable.
- Substrate prep should be in compliance with ANSI A108.01 "General Requirements: Subsurfaces and Preparations by Other Trades."
- Consult TCNA method EJ-171 for expansion joint placement.

MIXING

1. Pour clean, potable water in a clean mixing container. A full bag (50 lb.) of Maxibond Pro™ LFT needs approximately 7.4 quarts (4.7 Liters) of water.
2. Gradually add the contents of the bag to the liquid while slowly mixing.
3. Using an electric drill with an angled cross (blade mixer), mix for 2 to 3 minutes until the material becomes a smooth, lump-free paste.
4. Let the mixture slake or stand 5 minutes.
5. Remix.
6. The proper finished consistency is reached when the trowel ridges remain upright without flow or slump.
7. Occasional mixing of the mortar during use is recommended. However, DO NOT re-temper. The addition of water (re-tempering) can reduce the materials performance and bond strength.

APPLICATION

(Refer to current ANSI A108.5 specifications and TCNA handbook guidelines.)

1. Use a properly-sized notch trowel to ensure proper coverage under tiles.
2. Using the flat side of the trowel, with pressure, apply a coat of mortar to the surface.
3. Then, with the notch side of the trowel held at a 45° angle, apply additional mortar to the surface, combing in a single direction, ensuring the maximum contact area between the tile and the surface.
4. For most LHT/LFT tiles, back-buttering of tiles is required.
5. Apply only as much mortar as can be tiled before product skins over. If the material has skinned over too dry, remove, and replace with fresh mortar.
6. Do not adjust tiles in mortar after 20 minutes. During the installation, remove a tile to ensure the mortar has not skinned over; check the tile and substrate mortar coverage.

CURING

- The length of the initial set and full cure depends on climate conditions, usually 24 to 48 hours.
- Allow for proper curing prior to application of grout.
- DO NOT accelerate the curing of this material with mechanical fans or heating devices.
- Always do a test with the bonding mortar to verify the suitability of the bond to the substrate.

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COVERAGE PER BAG

Tile Size	Trowel Type	Trowel Size	Coverage
Less than 8”	Square notched	¼” x ¼” x ¼”	65 - 75 ft^2
8 - 15”	Square notched	¼” x ⅜” x ¼”	55 - 65 ft^2
More than 15”	Square notched	½” x ½” x ½”	35 - 45 ft^2

TECHNICAL INFORMATION

Shelf Life	1 Year
Storage	Dry and closed, no humidity
Time Before Grouting	24 hours
VOCs	0g per L

ANSI SHEARBOND RESULTS

Property	Test Duration and/or Conditions	Results	ANSI A118.4 Requirements
Open Time	20 minutes @28 days	75 - 80 PSI	≥ 75 PSI
Glazed Wall Tile Shear Strength	7 day water immersion	295 PSI	> 200 PSI
Porcelain Mosaic Tile Shear Strength	7 day water immersion 28 days	300 PSI 281 PSI	> 150 PSI > 200 PSI

Property	Test Duration and/or Conditions	Results	ANSI A118.11 Requirements
Quarry Tile to Plywood Shear Strength	28 days	370 PSI	> 150 PSI

Property	Test Duration and/or Conditions	Results	Requirement
Sag Resistance (T)	Sag at 20 minutes	0 in.	≤ 0.02 in.

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PRECAUTIONARY STATEMENTS

- This material contains Portland cement, silica sand and polymers.
- Contact with dry or freshly mixed mortar, grout or concrete may cause skin irritation.
- If direct contact occurs, wash exposed skin areas promptly with soap and water.
- If any cement material gets into the eyes, rinse immediately and repeatedly with water, and seek prompt medical attention.
- For detailed information on how to use and handle this product safely, see the Material Safety Data Sheet.

KEEP OUT OF REACH OF CHILDREN

CEMENTPRO, as a manufacturer of processed material in the state of California, is required by Proposition 65 to provide warning that one or more of the components contained in this product could contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. The state of California requires the above warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacture, distribution and intended use.

WARRANTY

1-Year Product Limited Warranty.
Obtain the applicable
LIMITED PRODUCT WARRANTY

at https://cementpro.com/warranty/

When Maxibond Pro™ LFT is used as part of an installation system of CEMENTPRO products, this can qualify for up to a 25-year system warranty. Reference the applicable System Warranty at **www.cementpro.com**

For Warranty Questions:

Write to: 3929 E Guasti Rd, Unit C
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