

LITEFIX

MADE WITH
RECYCLED
MATERIALS

LIGHTWEIGHT MORTAR

PROFIX



LITEFIX meets or exceeds standard norm*:

CGSB

- CGSB 71-GP-30M, Type 2

ANSI

- ANSI A118.4.

- ANSI A118.11

* See lexicon at the end

Description

LITEFIX is a light, sagging-free polymer-modified dry mortar used for the vertical and horizontal installation of ceramic, stone and glass tiles. Compared to most thin-set mortars, LITEFIX has an incredible suction power that facilitates the installation of tiles up to 18" X 18"* without the necessity to use support of any kind. Moreover, this mortar is made of 20% recycled light aggregate, which allow the product to cover twice the surface of a regular mortar. The 11.3 kg bag covers has much as a regular 22.7 kg mortar bag. The presence of light aggregate in the composition of the mortar also simplifies the spreading of the product. White LITEFIX is the best choice for the vertical installation of glass tiles and it is also offered in 3.5 kg boxes.

Characteristics

- Polymer fortified
- Made with recycled glass aggregates
- Superior shear bond strength
- Excellent grip for porcelain tiles
- Easy to mix (Add water only)
- Easy to apply
- Lightweight smooth formula
- Can be used indoors and outdoors

Formats

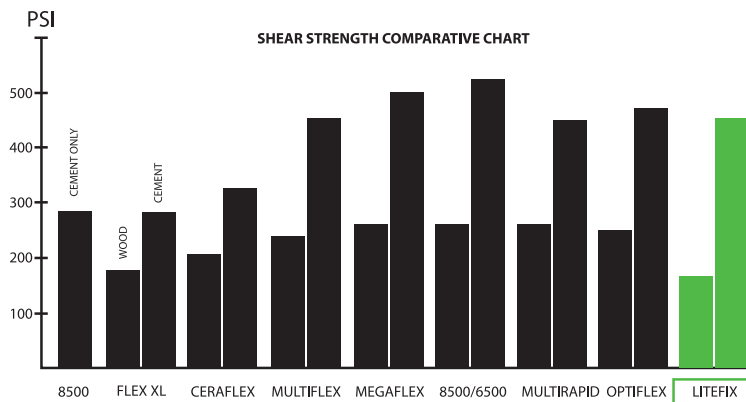
11.33kg (25 lbs) bag – 56 per skid

3.5kg (8 lbs) box

* 18" X 18", thickness of 3/8"

Technical data @ 22 C

Pot life	4 hours
Open time	30-40 minutes
Initial set	24 hours (see technical notes)
Final set	28 days
Shear strength: Tile over plywood Tile over tile	160 psi (28 days) 450 psi (28 days)
VOC level	0 g/L



Colours

Gray or White

A 11,33 Kg bag covers:

	COVERAGE*
1/4 X 1/4	For tiles up to 4" X 4" (100 mm X 100 mm) 80 sqf
1/4 X 3/8	For tiles up to 16" X 16" (400 mm X 400 mm) 65 sqf
1/2 X 1/2	For tiles greater than 16" X 16" (400 mm X 400 mm) 45 sqf

* Usage requirements are approximate. Coverage will depend on the trowel used and the condition of your subfloor.

Shelf life

LITEFIX: 12 months following production date (stored in a dry and heated area). Moisture will reduce the shelf life of the product.

Recommended substrates

Test a small surface first to ensure suitability of coverings.

- ✓ Cured concrete (28 days)
- ✓ Masonry blocks
- ✓ Gypsum plaster (primed only with latex)
- ✓ Existing bricks
- ✓ Gypsum wallboard (primed only with latex)
- ✓ Cement backer-board
- ✓ Exterior grade plywood (interior dry areas only)
- ✓ Terrazzo floors*
- ✓ Vinyl non-cushioned flooring*
- ✓ Existing unglazed floor tiles*
- ✓ Vinyl asbestos tiles (clean – un-waxed surfaces)*
- ✓ Old cutback adhesives*

* See «technical notes» section

Technical notes

- Avoid any circulation for 24 hours.
- Expansion joints: Do not cover the joints with mortar.
- Ideally, adhesive residues and vinyl tiles must be removed from the surface, which must then be cleaned of all residues. Although the mortar will bond to adhesive residues and non cushioned vinyl tiles, it is unknown for how long. The results can therefore not be guaranteed.
- Use white mortar when installing white marble or light coloured stones.
- Some natural stones require specific methods of installation. Verify with your retailer.
- For outdoor installation, use LiteFIX in an area that is sheltered from bad weather. For other outdoor installations, use MEGAFLEX or 8500/6500.
- On a waterproof membrane or on existing tiles, we strongly suggest extending the setting time.
- When using vertically, respecting the ratios is very important.
- Do not use in pools.
- When installing over existing tiles, you must first make sure these are properly fixed in place. Second, you must ensure they are sufficiently porous. To do so, it is recommended to scrape the surface and apply a primer (PX Primer) before proceeding with the installation.

Instructions

Underlayment

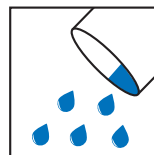
The underlayment is the most important step for a long lasting result. Refer to the "Good support" technical bulletin on our website. The underlayment must meet TTMAC and TCA standards.

Substrate preparation



All backing surfaces must be structurally sound, dry and free of any deleterious substances (wax, sealer, etc.), which may act as bond barriers (according to industry standards as outlined by the TTMAC and the TCA).

Mix



In a clean container, add LiteFIX to water. Mix slowly to obtain a homogeneous and smooth consistency. Let sit for 10 minutes and remix. If using a mixer, use a low speed one to ensure no air is trapped in the mix. Do not add more water or powder. Some hardening may occur before all material is used. If so, simply remix by hand; do not add any liquid.

RATIO: approximately 5.8 L of water to 11.33 kg of powder

PROFIX

Tile and Stone Installation Systems

LITEFIX

Lightweight mortar

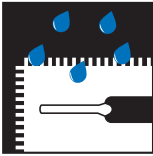
Application



Use recommended notched trowel with enough depth (1/4» x 3/8») to ensure sufficient contact between the mortar and the back of the tile. Backbuttering is recommended by the ACTTM for tiles larger than or equal to 12" x 12". However, working with LiteFIX allows you to install tiles that are up to 16X16 inches wide without back buttering these and you won't have to worry about vertical sagging. Ratios strongly need to be respected. Using the flat edge of the trowel, apply a thin coat of mortar, and using the notched side immediately add another thin coat of mortar.

Do not use more mortar than can be spread in 20 minutes. All trowel patters should be square-notched and not "V" or rounded type. Place tiles firmly into position in a slight twisting motion before skinning occurs. Immediately align and adjust tile after installation.

Cleaning



Promptly clean tools with water while material is fresh.

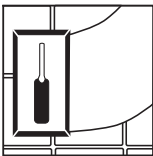
Curing



Let cure at least 24 hours before grouting @ 22 C. Be advised that the lower the temperature is, the longer the drying time will be. Never try to accelerate drying time. Light circulation is allowed after 24 hours, but only for grouting. A minimum of 48 hours is necessary before replacing furniture and supplies. Heavy circulation is allowed after 7 days. After 28 days, the cure will be complete.

Maintenance

No particular maintenance is required given the nature of this product.



For grouting, use PROFIX POLY 600 unsanded grout, PROFIX POLY 500 sanded grout or PROFIX POLY 700 EPOXY Stain Resistant Grout.

Limitations

- Use at temperatures between 10 C and 35 C.
- Do not use over pressed wood, particle board, Masonite, Lauan or asbestos board, or other similar materials. Do not use on hardwood floors.

Warranty

This product is guaranteed for 1 year when used according to La Margna, ACTTM and TCA instructions. An extension of this warranty is available. For more information, visit our website.

LEED



Leadership in Energy & Environmental Design (LEED) is a green building rating system that plans, develops, compares and certifies sustainable buildings around the planet. The Canada Green Building Council certifies the project in terms of total points obtained after verifications and an independent examination of the documentation submitted by the design and construction teams. Litefix can help to achieve the following credits:

Indoor Environmental Quality:

- IEQ Credit 3.2 option 3 - Reduce indoor air quality problems
- IEQ Credit 4.1 - Low Emitting Materials

Materials and Resources:

- MR Credit 5.1 - 10% extracted and manufactured regionally
 - MR Credit 5.2 - 20% extracted and manufactured regionally
 - MR Credit 4.1 - 7.5% of recycled content
 - MR Credit 4.2 - 15% of recycled content
- Refer to the PROFIX website for certified letters.

Caution



This product contains cement and silica that can irritate skin and eyes. Avoid prolonged contact with skin. In case of contact with eyes, rinse thoroughly with water.

Health and Safety

Refer to the MSDS on our website for handling recommendations.

Questions? Call the PROFIX customer care team toll-free at: 1-800-838-4237, or e-mail us at: info@profixsystems.com

PROFIX is a registered and manufactured trademark.

Tile and Stone Installation Systems

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Lexicon

Pot life: Maximum time the product can stay in the pail and remain usable. After this time, the product will be difficult to use and start to dry, making your work more difficult and the product much less effective.

Open time: Maximum time you have to install your tiles once the mortar has been applied to the subfloor. After this time, a film will appear over the surface of the mortar and progressively reduce its grip. It is therefore recommended NOT to install tiles on mortar that has been applied for longer than the maximum time indicated.

Initial set: Minimum time recommended before allowing light circulation (e.g. the weight of one person) over the surface. Before that time, no circulation should be allowed.

Final set: Product's final set time.

Sheer strength: Mortar strength in psi.

DRAFT ISO 13007 (TO COME):

ISO 13007 is a essentially a combination of European, British and American ceramic tile adhesive Standards.

Adhesive type symbols:

- C** means it is a cementitious adhesive containing cement, aggregates and organic additives. The adhesive needs to be mixed with water or a liquid admix just before use.
- D** means it is a dispersion adhesive. Dispersion means it is a pre-mixed, ready to use adhesive made from water based polymer with organic additives and mineral fillers.
- R** means it is a reaction resin adhesive containing synthetic resin, mineral fillers and organic additives. The adhesive cures by chemical reaction.

Adhesive performance symbols:

- 1** means the adhesive has passed the minimum pass level tests that are mandatory for that adhesive type.

2 means the adhesive has passed the same tests as 1 and/or other applicable tests, but a higher pass levels.

F means the adhesive has met the requirements for a fast setting adhesive.

T means the adhesive has met the requirements for a slip resistant adhesive.

E means the adhesive has met the requirements for extended open time.

ANSI:

Lightweight Mortars (ANSI 118.4 and 118.11): Lightweight mortars are polymer-modified, premium-grade, non-sag lightweight mortars, for thin or medium-bed installations. The lightweight characteristics both in the powder and the resulting mortar provide advantages such as ease of handling and application, superior coverage and excellent sag resistance. Lightweight mortars are used in wall, floor and ceiling installation of marble, slate, granite, pre-cast terrazzo, agglomerate, porcelain tile, and most types of ceramic and stone tile on properly prepared substrates of concrete, masonry, cement terrazzo, concrete backer units, existing surfaces of ceramic or stone tiles, or, in dry areas only, on exterior grade plywood. They are also used in lieu of mastic adhesives for tile in shower, bathroom and backsplash installations.

CGSB:

Meets or exceeds standard norm ONGC 71-GP-30 M type 2 of «Canadian General Standards Board».

Liability

Before using, the user shall determine the suitability of this product for its intended use and the user alone shall assume all risks and liabilities in connection therewith. La Margna Inc. shall not accept any liability for any damage, loss or prejudice resulting from the direct or indirect use of our product in non-compliance to our specifications.

December 14th, 2009