

8500 / 6500

OPTIMUM PERFORMANCE MORTAR

PROFIX



8500/6500 meets or exceeds standard norm*:

CGSB

- CGSB 71-GP-30M, Type 2

ANSI

- ANSI A118.1

- ANSI A118.4

- ANSI A118.11

Description

8500/6500 is a two-components, polymer, thin-set mortar. Mixing ACRYLIC LATEX 6500 with PROFIX 8500 powder produces a highly resistant mix for installing ceramic tiles, porcelain, slate, natural stone, granite and marble on most interior and exterior surfaces, walls and floors. LATEX 6500 replaces the water used in the mix to provide the advantages listed below. This mortar is recommended for most residential, light and heavy commercial, interior and exterior uses.

Characteristics (8500/6500 combination)

- Polymer-fortified
- Provides high bond adhesion, freeze/thaw resistance and improved resistance to vibration and impact
- Component of the PROTHERM warranty system (floor heating system)
- Safe, easy to use, non-hazardous and non-flammable
- Can be used indoors and outdoors
- Offers incredible performance and flexibility

Formats

8500

22.7 kg (50 lbs) bag – 49 per skid

6500

7 L container – 48 per skid

20 L container – 36 per skid

200 L container – 4 per skid

Prolastic 8 kg (6 kg of 8500 / 2 L of 6500)

Technical data @ 22°C

PROFIX 8500 / 6500

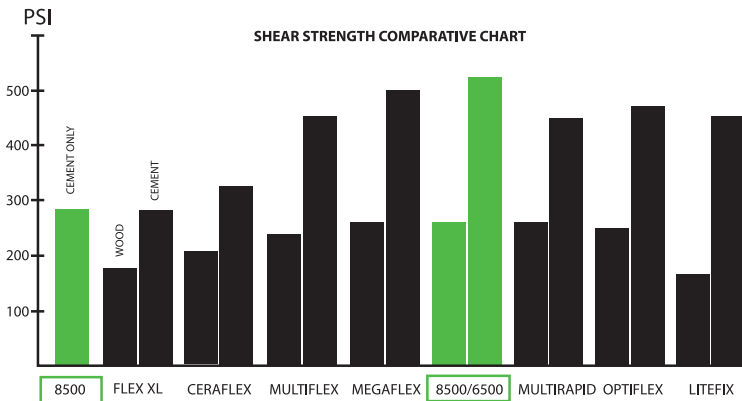
Pot life	2 hours
Open time	25 minutes
Initial set	24 hours
Final set	28 days
Shear strength:	
Tile over plywood	260 psi (28 days)
Tile over tile (porcelain)	525 psi (28 days)
VOC level	0 g/L

PROFIX 8500 / WATER

Pot life	2 hours
Open time	25 minutes
Initial set	24 hours
Final set	28 days
Shear strength:	
Vitrified tile	200 psi (28 days)
Non-vitrified tile (over concrete only)	280 psi (28 days)
VOC level	0 g/L

Colour	8500	Grey and white
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Tile and Stone Installation Systems



Exterior grade plywood (interior dry areas only)

Terrazzo floors*

Non-cushioned vinyl flooring*

Existing unglazed floor tiles*

Vinyl asbestos tiles (clean – unwaxed surfaces)*

Old cutback adhesives*

* See «technical notes» section

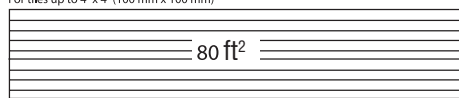
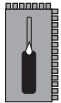


A 22.7 kg bag covers:

1/4 X 1/4

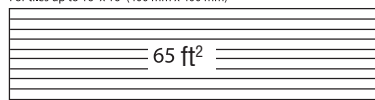
COVERAGE*

For tiles up to 4" x 4" (100 mm x 100 mm)



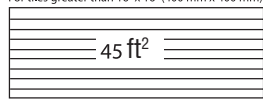
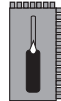
1/4 X 3/8

For tiles up to 16" x 16" (400 mm x 400 mm)



1/2 X 1/2

For tiles greater than 16" x 16" (400 mm x 400 mm)



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

Shelf life

PROFIX 8500: 12 months following production date. Must be stored in a dry and heated area. Moisture will reduce the shelf life of the product.

LATEX 6500: 12 months following production date. Must be stored in a dry and heated area. Moisture will reduce the shelf life of the product.

Recommended substrates

Test on 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



Technical notes

- When installing over existing tiles, you must first make sure that these are properly fixed in place. Second, you must ensure that 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.

- When mixed with water, 8500 can only be used on cured concrete and only with glazed tiles having a 0-.05% rate of absorption.

- Avoid any circulation for 24 hours.

- Expansion joints: do not cover the joints with mortar.

- Use white mortar when installing white marble or light coloured stones.

- Ideally, adhesive residues and vinyl tiles must be removed from the surface, which must then be thoroughly cleaned. 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.

- Some natural stones require specific methods of installation. Verify with your retailer.

- Do not use in pools.

Instructions

Underlayment

The underlayment is the most important step for a long lasting result.

Refer to the "Good supports" technical bulletin on our website.

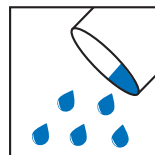
The underlayment must meet the TTMAC and the TCA standards.

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



PROFIX 8500 mixed with water:

Mix with 6.4L of water for interior installation of ceramic tiles on cement or concrete only. Performing a bonding test before installing non-porous tiles (0-.05% water absorption) is recommended.

PROFIX

Tile and Stone Installation Systems

8500 / 6500

Optimum performance mortar

In a clean container, add powder to the water mix slowly to obtain a homogeneous, thick and smooth consistency. Let sit for 10 minutes and remix. 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 6.4 L of water per 22.7 kg of powder.

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. 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 trowels, should be square-notched and not "V" type. Place tiles firmly into position in a slight twisting motion before skinning occurs. Immediately align and adjust tiles after installation. Leave 2/3 of the joint height free of mortar for grouting.

Cleaning



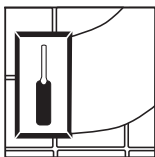
Promptly clean tools with water while material is fresh.

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. The evaporation of moisture in hydraulic cement mortars is accelerated by hot, dry conditions. It might be necessary to cool down the surface before application, while taking care to get rid of excess water. 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 POLY 700 epoxy, stain resistant grout.

Limitations

- The temperature should be maintained minimally at 10°C for 28 days to allow the cement to reach its final and complete cure, and therefore, all its strength.
- Do not use over pressed wood, particle board, masonite, lauan or asbestos board, or other similar materials. Do not use on hardwood floors.
- Do not use as a replacement for waterproof membranes. When a membrane is required, use PROFIX IMPER Anti-Fracture and Waterproof Membrane.

Warranty

The product is guaranteed for a period of 15 years for an indoor installation and 10 years for outdoor installation. If the product is used on a heating cable, it is guaranteed for a period of 10 years. In the case of an indoor installation, the warranty can be extended to 25 years if you meet certain conditions. See «Warranty» on the website for more details.

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 examination of the documentation submitted by the design and construction teams. 8500/6500 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

Refer to the PROFIX website for letters of certification.

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.

Technical support

Questions? Call the PROFIX customer care team toll-free at: 1-800-463-6850 or e-mail us at: info@profixsystems.com

PROFIX is a registered trademark.

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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.

Shear strength: Mortar strength in psi.

DRAFT ISO 13007 (TO COME):

ISO 13007 is essentially a combination of European, British and American ceramic tiles 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 in 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:

Dry-Set Mortar (ANSI A118.1-1999): A mixture of Portland cement, sand and water retentive additives which is used as a bond coat for setting tile over cured mortar beds, masonry, concrete or on other suitable backings which are plumb and true.

Latex-Portland Cement Mortar (ANSI A118.4-1999): A single component mix incorporating a redispersible dry latex in a bag, generally referred to as «Polymer Modified Mortar», recommended for most interior residential uses. Some high-latex content polymer modified mortars may be suitable for heavier use.

Exterior Grade Plywood (EGP) Latex-Portland Cement Mortar (ANSI A118.11-2000): A modified Portland cement dry-set mortar to which a polymer has been incorporated in a latex or powder form for the bonding of tile to exterior grade plywood in interior dry or limited water exposure areas only. When added in latex form it is added as a replacement for part or all of the gauging water in accordance with the manufacturer's instructions.

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.

May 18th, 2010