



UltraFix PM

Cementitious, polymer modified tile adhesive for non-vitrified, vitrified, glass mosaic, porcelain and non-moisture sensitive natural stones tiles

PACKAGING

UltraFix PM is available in 25 kg bags.

STANDARDS

ANSI A 118.1

ANSI A 118.4

COVERAGE AND YIELD

Solid bed fixing: 3 - 6 mm depth
5.4 kg - 10.8 kg/m²

Notched trowel application on to a smooth surface (trowel @ 45°)

10 mm Notch 6.3 kg/m²

8 mm Notch 5.4 kg/m²

6 mm Notch 3.6 kg/m²

4 mm Notch 2.7 kg/m²

Above figures are to be used as a guide only and do NOT take into account surface undulation or material wastage.

STORAGE AND SHELF LIFE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

Avoid excessive compaction.

The shelf life is 12 months when stored as above.

DESCRIPTION

UltraFix PM is a polymer-modified cement-based tile adhesive for thin or thick bed fixing of ceramic tiles in interior or exterior situations, especially those exposed to permanently wet conditions.

Suitable substrates are concrete, sand cement screeds and renders, plaster boards, gypsum fibre boards and suitably prepared timber.

TYPICAL APPLICATIONS

UltraFix PM is the adhesive of choice for swimming pools and may be used with confidence in all wet process applications including: abattoirs, shower rooms, institutional kitchens, bathrooms, and decorative, high risk cladding.

UltraFix PM may be used to tile directly onto glazed tile surfaces and is especially recommended for non-porous or high density and glass mosaics where it may be used to both fix and grout.

UltraFix PM is a blend of Portland cement, and graded sand, reinforced with a high organic polymer content.

ADVANTAGES

- Waterproof: immersion will not affect adhesion
- Non-slip
- Ready for use - just add water
- Thin or thick bed
- Extended open / wet time
- High adhesive bond strength

TYPICAL PROPERTIES

Colours	Off white and Grey
Plastic density	1800 kg/m ³
Yield	A 25 kg bag mixed with 4.5 L – 5 L of water yields approximately 16 L of mixed adhesive
Curing times** (on slightly absorbent substrates)	
- Walked on after	approx. 24 h
- groutable after	approx. 24 h
- able to bear weight after	approx. 7 days

** At +23°C and 50% relative humidity. Higher temperatures reduce, lower temperatures increase the times given.



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APPLICATION GUIDELINES

Surfaces to be tiled, should be sound, dimensionally stable, clean and free from loose laitance, paint, oil, grease, mould release agent and residual curing compound. It should be ensured that tiles are dry, and free of contaminants that could impair adhesion.

SURFACE PREPARATION

Porous concrete, mortars, renders, plaster boards and gypsum fibre boards should be primed with **UltraPrime AR** to reduce suction.

WATCH POINTS

Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385.

UltraFix PM should not be used on painted or metal surfaces. The use of chilled mixing water will extend open wet time in high ambient temperatures.

Gypsum plaster boards and surfaces, must be subjected to pre-treatment. Please consult Gulf Additive Factory Technical Services Department for advice.

QUALITY AND CARE

All products originating from Gulf Additive Factory, Qatar facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

MIXING INSTRUCTIONS

Add UltraFix PM to cool, clean water at the following rates:
Place approx. 4 L gauging water in a clean mixing vessel. Mix to a uniform lump free consistency and allow to stand for 5 min. before use. Full bag volumes should be mixed in a forced action mixer. Part bags should preferably be mixed using a slow speed drill and mixing paddle.

APPLICATION INSTRUCTIONS

Apply **UltraFix PM** to a uniform thickness of 3 mm 6 mm or sufficient to cover the studs or keys on the tile back; (on a working area of not more than 1 m²). Solid bed fixing is recommended for wet conditions and for ceramic and marble flooring tiles, and vertical heavy-duty applications including decorative stone cladding. If preferred, the **UltraFix PM** can additionally be buttered on the backs of the tiles to ensure full adhesive contact.

For all other vertical application, the adhesive bed should be combed horizontally with a notched trowel to remove excess.

Tiles should be dry and fixed by pressing into place with slight twisting motion, ensuring the tile back achieves full contact with the adhesive.

Ceramic tiles should never be butt joined. Leave a minimum of 2 mm around tiles. Adjustments to tiles should only be made during the adhesives open wet time.

Remove excess adhesive from the face of the tile with a damp sponge or cloth before it sets. Similarly, joints must be raked out in readiness for grouting.

Leave for a minimum of 24 hours before grouting. Select the appropriate grout for joint size and in service use from the **UltraFix PM** range of products.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use. For further information, refer to material safety data sheet.

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