

Prime Fix-C1

DESCRIPTION:

- **Prime Fix-C1** is a premium quality, thin and thick bed cement based ceramic tile adhesive for bonding most types of tiles to rigid masonry substrates including concrete, cement render, bricks and blockwork. Use on floors and walls both internal and external. Suitable for adhering porous and natural stone tiles.
- **Prime Fix-C1** based on high resistance cement, selected aggregates, and other additives which give excellent bonding, good workability and resistance to ageing.
- **Prime Fix-C1** is formulated to comply with European Norm EN 12004-1 2017

USES:

- **Prime Fix-C1** adhesive mortar is designed for laying ceramic (glazed, terracotta) and natural stone tiles on dimensionally stable substrates such as: concrete, cement screeds, cement or cement and lime plasters. Suitable for using indoors and outdoors.
- Interior and exterior wall tiling on concrete.
- Floor tiling for small and medium sized tiles.
- Tiling on cementitious waterproofing material

FEATURES AND BENEFITS:

- Excellent adhesion properties.
- Single component: fixed mixing proportion, ensure the quality of work
- Adjustable within 10 minutes.
- Non-slip
- Thixotropic and easy to trowel, good workability
- Shrinkage compensated: reduce the shrinkage cracks.

SURFACE PREPARATION:

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of **Prime Fix-C1**.

MIXING & APPLICATION:

- **Prime Fix-C1** can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away
- Clean the back of tile for any dust or coating
- Pour 5-5.5 liters of potable water in a clean container and then add 1 bag(20 kg) of **Prime Fix-C1**
- Mix the material by hand or using a slow speed electrical stirrer in a way that a uniform mixture (free from lumps) is formed
- Leave the mix to slake for 5- 10 minutes and remix before use.
- The adhesive shall be applied with the flat side of the trowel using a scraping motion.
- Additional mortar is then applied with the notched edge of the trowel
- Ensure that tile is completely bedded in the adhesive
- Excess adhesive shall be cleaned from the rear surface of the tile with a damp sponge
- Tiling process can be achieved within 20 minutes under normal temperature and humidity condition.
- Unfavorable weather conditions such as strong sunshine, low humidity, high wind speed, or



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highly water-absorbed substrates reduce the open time of tile adhesive.

- When the surface of tile adhesive is dried, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- Natural air curing for **Prime Fix-C1** is enough.
- It is recommended to use **Blato Tile Grout** for grouting 1 day after tiling.

COMPLIED STANDARDS:

- European Norm : **EN 12004-1 : 2017 Class C1T**

COVERAGE:

Each 20kg bag from Prime Fix-C1 cover 4-6m² depending on the required thickness.

TECHNICAL DATA	
Appearance	White /Gray powder
Mix Density @ 25 °c	1.5-1.6 gm/cm ³
Aggregate size	0.6 mm max
Water demand	25-27.5% or 5-5.5 liters / 20kg bag
Pot life	3 hour
Adhesion Strength EN 12004-1:2017	>0.5 N/mm ² Initial adhesion >0.5 N/mm ² After heat ageing >0.5 N/mm ² After water immersion >0.5 N/mm ² After freeze-thaw cycles

Open time EN 12004-2:2017	20 min with > 0.5 N/mm ² adhesive strength
Slip resistance EN 1308	< 0.2 mm

CLEAN UP INSTRUCTIONS:

- Clean up tools and equipment with water

PRECAUTIONS:

- Works should be carried out in dry conditions, with the air and ground temperature from +5 °C to +25 °C.
- **Prime Fix-C1** contains cement and after mixing with water produces an alkaline solution. Therefore protect eyes and skin.
- Avoid application to surfaces freshly treated with silicone-type water repellents.

PACKAGING:

20 Kg bags

SHELF LIFE / STORAGE:

- 12 months since the production date when stored on pallets in dry cold conditions and in original undamaged packages.

ENVIRONMENTAL & SAFETY

PRECAUTIONS:

- **Prime Fix-C1** is nonhazardous and nontoxic.
- Care should be taken when handling, that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact to MBC.

THICKNESS AND THEORETICAL CONSUMPTION

Tile size (mm x mm x mm)	notch size (mm x mm)	Total thickness (mm)	Prime Fix-C1 consumption kg/m ²
45 x 45 x 6	6 x 6	2.5	2.9
95 x 45 x 6	6 x 6	2.5	2.9
100 x 100 x 7	6 x 6	2.5	2.9



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200 x 200 x 7	6 x 6	3.5	4
300 x 300 x 10	6 x 6	4.5	5.2
600 x 300 x 10	10 x 10	6	6.9
600 x 600 x 15	10 x 10	6	6.9
1000 x 1000 x 20	10 x 10	6	6.9

