



# CEMFIX STANDARD (C1)

Standard Cementitious Tile Adhesive

| Technical Properties                                         |
|--------------------------------------------------------------|
| Colour : White / Grey                                        |
| Fresh wet density 1.60 ± 0.10 g/cm³                          |
| Open Time 20-30 min @ 25°C ISO 13007-2.4.1                   |
| Pot life ~2 hours @ 25°C ISO 13007                           |
| Adjustability time ~10 min                                   |
| Tensile adhesion strength in compliance with EN 12004-2, 8.3 |
| Initial bond ≥ 0.5 N/mm2                                     |
| After heat exposure ≥ 0.5 N/mm2                              |
| After water immersion ≥ 0.5 N/mm2                            |
| After freeze/thaw cycles ≥ 0.5 N/mm2                         |
| Slip: EN 12004-2, 8.2 ≤ 0.5 mm                               |
| Application on temperature: 5 to 30°C                        |

## المزايا الرئيسية

تكلفة اقتصادية.  
سهولة الخلط والتطبيق.  
أداء موثوق لأعمال التبليط الداخلية.  
مناسب لمختلف أنواع السيراميك.

## مجالات الاستخدام

الأرضيات الداخلية.  
السيراميك والموزاييك التقليدي.  
البلاط صغير ومتوسط الحجم.  
الأسطح الخرسانية والمحارة الإسمنتية.

## غير موصى به لـ

الجدران والأسقف.  
البورسلان والرخام والجرانيت.  
الواجهات الخارجية.  
الحمامات والمطابخ والمناطق المعرضة للرطوبة المستمرة.  
أحواض السباحة والخزانات المائية.  
البلاط كبير الحجم أو منخفض الامتصاص.





# CEMFIX STANDARD (C1)

Standard Cementitious Tile Adhesive

## DESCRIPTION

Cemfix Standard (C1) is a polymer-modified cementitious tile adhesive formulated for the installation of ceramic tiles on walls and floors. Designed for internal and external tiling applications, it offers strong and durable adhesion, superior workability, and long-term consistent performance on well-prepared cement-based substrates.

Cemfix Standard (C1) is supplied as a dry powder that, when mixed with clean potable water, produces a smooth and workable adhesive designed for efficient thin-bed tile installation.

## APPLICATIONS

- Ceramic wall and floor tiles.
- Internal and external tiling applications.
- Wet and dry areas including bathrooms, kitchen and balconies.
- Concrete substrates.
- Cement-sand renders and screeds.
- Cement-based plasters and masonry surfaces.
- Used for semi-verified tiles such as ceramic.

## ADVANTAGES

- Enhanced bond strength compared to basic-grade adhesives.
- Superior workability and ease of application.
- Reliable performance in wet and dry conditions.
- Smooth consistency for effortless spreading.
- Economical.
- Requires only the addition of potable water.
- Extended open time.

## LIMITATIONS

**Cemfix Standard (C1) is not recommended for:**

- Porcelain and low-absorption vitrified tiles.
- Tile-over-tile installations.
- Permanently submerged areas such as swimming pools and water tanks.
- Metal, wood, PVC, rubber, or flexible substrates.
- Large-format tiles requiring high-performance adhesives.

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## APPLICATION

- Apply a thin layer of adhesive using the flat side of a trowel.
- Comb the adhesive using an appropriately sized notched trowel.
- Fix the tiles while the adhesive remains workable.
- Press tile firmly into position to ensure full contact with the adhesive bed.
- Allow the adhesive to cure 24 hours before grouting.

## SURFACE PREPARATION

- All substrates must be structurally sound, clean, dry, and free from dust, oil, grease, paint, curing compounds, or any contaminants that may impair adhesion.
- Uneven or damaged surfaces should be repaired prior to tile installation. Highly absorbent substrates should be lightly dampened before application.





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### MIXING

- Use only clean, potable water for mixing.
- Pour 4.2–4.6 litres of clean water into a suitable mixing container for each 20 kg bag of Cemfix Standard C1.
- Gradually add Cemfix Standard C1 powder to the water while continuously mixing with a low-speed mechanical mixer (400–600 rpm) fitted with a suitable mixing paddle.
- Mix thoroughly until a smooth, homogeneous, lump-free mortar is obtained.
- Allow the mixed adhesive to stand for 2–3 minutes to mature.
- Remix for 1 minute before application.
- Do not add water after the adhesive has begun to set

### CLEANING

- All tools and equipment should be cleaned immediately after use with clean water.
- Hardened material can only be removed mechanically.

### REMARKS

- Application should be carried out at temperatures between +5°C and +35°C.
- Protect freshly applied adhesive from direct sunlight, rain, frost, and strong winds.
- Do not exceed the recommended water dosage.
- Always use clean water and clean mixing equipment.
- For best results, ensure full adhesive coverage beneath the tiles.

### PACKAGING

- Cemfix Basic (C1) is supplied in:
- 20 kg moisture-resistant bags.

### YIELD

- Coverage will vary depending on substrate condition, tile size, and trowel notch size.
- Typical coverage is:
- Approximately 5-7 m<sup>2</sup> per 20 kg bag at 2 mm bed thickness.

### STORAGE

- Store in original unopened packaging in dry, shaded conditions.
- Shelf life is 12 months from the date of manufacture when stored under recommended conditions and protected from humidity.

### HEALTH & SAFETY

- Cemfix Standard (C1) contains cement and may cause irritation to the skin, eyes, and respiratory system.
- Avoid contact with skin and eyes. Wear suitable protective clothing, gloves, and eye protection during handling and application.
- In case of eye contact, rinse immediately with plenty of clean water and seek medical attention if irritation persists.

