



Product Overview

Porcelain is a single component, polymer modified cementitious adhesive designed for superior flexibility and extended working time without slumping. Suitable for both indoor and outdoor installations, it securely bonds large format porcelain and marble tiles to a wide variety of substrates.

Key Features

- Extended Open Time: Up to 30 minutes of adjustability for stress free tile placement.
- Vertical Slip Resistance: Stays in place on walls and large panels without sagging.
- Exceptional Grip: Bonds strongly to concrete, plaster, existing tile, and other substrates.
- Easy Mixing & Application: Smooth, lump free consistency spreads and combs effortlessly.
- Certifications & Standards: Conforms to EN 12004 / ISO 13007 (C2TES1)
- Meets ANSI A118.4 criteria: Low VOC content - LEED friendly

Recommended Applications

Perfect for setting all non porous tiles—porcelain, ceramic, marble, and pool mosaics—on interior and exterior walls or floors over:

- Fair faced concrete
- Cementitious screeds
- Blockwork (masonry)
- Gypsum board
- Plastered surfaces

Technical Specifications

Color Options:	White or Grey
Trowel Bed Thickness:	3–10 mm (depending on substrate flatness)
Mixing Ratio:	5.5–6.5 L water per 20 kg bag (27.5–32.5 %)
Dry Density:	1.40 kg/L
Pot Life:	> 3 hours
Open Time:	30 minutes (EN 1346)

Surface Preparation

- Confirm substrates are fully cured, sound, and free of loose particles, oil, grease, or dust.
- Remove any previous coatings or contaminants.
- Lightly mist highly absorbent surfaces (gypsum board exempt) to prevent excessive moisture draw down.



Mixing Instructions

- Pour 5.5–6.5 L of clean water into a mixing vessel.
- Gradually add one 20 kg bag of Porcelain while stirring with a slow-speed drill and paddle.
- Mix for 2–3 minutes until you achieve a creamy, lump-free paste.
- Allow the mixture to stand for 10–15 minutes, then remix briefly before use.

Application Guide

- Scratch Coat: Spread a thin key coat with the trowel's flat edge.
- Notch: Immediately comb through with the notched side to create the bedding profile.
- Grouting: After 24 hours, fill joints using a suitable grout system.
- Foot Traffic: Light traffic allowed at 24 hours; full service strength achieved in 14 days.

Notch Recommendations

Tile Size (mm)	Recommended Notch (mm)
150 × 150	6 × 6 × 6
200 × 200	8 × 8 × 8
250 × 250	10 × 10 × 10
300 × 300	12 × 12 × 12 (plus back buttering)
400 × 400	12 × 12 × 12 (plus back buttering)

Tools & System Components

- Trowel: Flat and notched
- Adhesive: Porcelain
- Grout: GM Paints Groutex (recommended)

Cleanup & Maintenance

- Clean tools immediately after use with water.
- Wipe away any excess adhesive before it hardens.

Packaging & Storage

- Packaging: 20 kg moisture resistant bags
- Storage: Store unopened in a cool, dry place for up to 12 months

Safety Precautions

- Wear protective gloves, eye protection, and clothing.
- In case of eye contact, flush thoroughly with water and seek medical advice.
- Keep out of reach of children.
- Dispose of empty bags according to local regulations.

Porcelain by GM Paints delivers professional grade reliability for lasting tile installations.