

Technical Data Sheet

Gripmax Heavy Duty Tile Adhesive (White / Light Grey)

Product Description

Gripmax Heavy Duty Tile Adhesive is a high-performance cement-based adhesive designed for fixing ceramic tiles, porcelain, vitrified tiles, natural stone, and large-format tiles on floors and walls. It offers superior bond strength, making it suitable for heavy-duty internal and external applications.

Key Features

- High bond strength and durability
- Suitable for heavy traffic areas
- Water and weather resistant
- Non-shrink, slip-resistant formulation
- Compatible with underfloor heating systems
- Suitable for both interior and exterior applications

Areas of Application

- Fixing ceramic, porcelain, vitrified, and quarry tiles
- Natural stone (marble, granite, sandstone, etc.)
- Large-format tiles ($\geq 600 \times 600$ mm)
- Interior and exterior walls and floors
- Wet areas such as bathrooms, kitchens
- Commercial and industrial flooring

Technical Data

Property	Typical Value*	Test Standard
Appearance	Grey or White powder	-
Binder	Cement + Polymer additives	-
Open Time	30 - 40 minutes	EN 1346
Pot Life	3 - 4 hours	-
Adjustability Time	15 - 20 minutes	-
Slip Resistance	≤ 0.5 mm	EN 1308
Tensile Adhesion Strength	≥ 1.5 N/mm ² (28 days)	EN 1348

Tensile Adhesion (Water Imm.)	$\geq 1.0 \text{ N/mm}^2$	EN 1348
Tensile Adhesion (Heat aging)	$\geq 1.0 \text{ N/mm}^2$	EN 1348
Tensile Adhesion (Freeze-Thaw)	$\geq 1.0 \text{ N/mm}^2$	EN 1348
Coverage	3 – 5 kg/m ² (depending on trowel & tile size)	-
Recommended Bed Thickness	3 – 10 mm	-
Shelf Life	12 months in unopened bag	-
Packaging	20 kg / 25 kg HDPE laminated bag	-

*Values are typical and may vary depending on site conditions.

Surface Preparation

- Ensure substrate is sound, clean, and free from dust, oil, grease, or loose particles.
- For highly absorbent surfaces, dampen with water before application.
- Concrete floors should be at least 28 days old.

Mixing Instructions

- Mix 20–25 kg of adhesive with ~5–6 liters of clean water.
- Stir mechanically (low-speed mixer) until a smooth, lump-free paste is obtained.
- Allow to stand for 3–5 minutes, then remix before use.

Application

- Spread adhesive using a notched trowel.
- Fix tiles within the open time, pressing firmly to ensure full contact.
- For large tiles, back-buttering is recommended.
- Grouting can be done after 24 hours.

Health & Safety

- Contains cement; may cause skin irritation.
- Use protective gloves and goggles.
- In case of contact with eyes, rinse immediately with water and seek medical advice.
- Keep out of reach of children.

Storage

Store in a cool, dry place away from moisture and direct sunlight. Keep bags tightly sealed when not in use.

Disclaimer

The information in this Technical Data Sheet is based on laboratory tests and practical experience. Gripmax guarantees consistent product quality; however, performance depends on site conditions beyond our control. Users should conduct suitability tests before full application.