

C1 CLASSIFIED CEMENT BASED TILE ADHESIVE

Description

Maxcrete 801 Tile Adhesive is a premixed grey or white powder consisting of high grade cement, graded fine sand, premium quality synthetic resins and special additives that requires only the addition of water to form a highly workable mortar with good bonding strength, low slump and high grab to adhere tiles, mosaic, slates, marble and natural stones to interior and exterior walls and floors. Manufactured to ISO 9001:2008 standard and tested to meet ISO 13007 C1 classification.

Features

- ✓ Requires only addition of water.
- ✓ Excellent workability and minimal sag.
- ✓ Good adhesion and bonding strength
- ✓ Impact and water resistant.
- ✓ Class C1 adhesive

Limitations

- ✗ Do not use over gypsum or autoclave blocks without proper surface treatment.
- ✗ Not recommended over glass, wood, metal, plastic, rubber, painted and other unsound surfaces.
- ✗ Do not use to bond glass mosaic or very large format tiles.

Technical Data



Color	Grey or White
Packaging	25 kg
Water Ratio	23% (± 1%)
Density	1,500 kg/m ³
Consumption with 6 x 6mm Notched trowel	7 m ² per 25 kg bag
Application Temperature	+5° to +40°C
Pot Life @ 28°C	60 minutes
Open Time @ 28°C	≥ 20 minutes
Adjustability @ 28°C	15 minutes
Slip	≤ 0.3 mm
Joint Grouting Time @ 28°C	
Wall	6-8 hours
Floor	24 hours
Tensile Adhesion Strength (ISO 13007-2:2005)	
Initial	0.9 N/mm ²
After Water Immersion	0.8 N/mm ²
After Heat Aging	0.6 N/mm ²
After Freeze Thaw Cycles	0.5 N/mm ²

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Mixing

- Maxcrete 801 : 25 kg
- Clean Water : 5.5 – 6.0 liter

Pour 5.5 liter of water into mixing container and slowly add Maxcrete 801 powder while stirring with an electrical mixer. Adjust to the desired consistency by adding part portion of 0.5 liter water. Mix for 3 minutes until lump free homogenous consistency. Let the mix sit for 5 to 10 minutes and remix again before using.

Preparation

Concrete, screed and render shall be sufficiently cured for 28, 14 and 7 days respectively.

All substrate shall be clean, sound and free from contaminants, laitance and loose particles.

Smooth and painted surface must be scabbled to expose at least 75% of clean roughen surface.

Expansion joints must be incorporated during the design stage to coincide with the tile joints.

Dampen the substrate prior to application.

Application

The size of notched trowel to use depends on tile sizes, depth of lugs and the evenness of the substrate.

Optimal performance is achieved with 100% coverage to both substrate and tile with a 2 to 5mm mortar bedding in between.

With an appropriate size notched trowel, spread the mortar onto the substrate using the flat side to obtain a thin uniform layer. Follow up by using the notched side to apply additional mortar to achieve the desired toothed thickness.

Large formats, ribbed back tiles, irregular stones and slates shall be back buttered before placement.

Do not pre-soak tiles before installation. If tiles are dusty, wipe with a clean wet cloth or quick dip in clean water.

Place tiles with a firm pressure to ensure good contact with the adhesive mortar.

The open time of the mortar could drastically be reduced depending on conditions such as strong sunlight, dry wind, high temperature and highly absorbent substrates.

Check constantly to see if the adhesive has formed a skin. Once skinning is detected, the adhesive must be removed and remix. Do not add water during remix.

Do not adjust tiles after they have been placed past 15 minutes.

Wall tile joints can be grouted 6 to 8 hours after installation. Floor joint can be grouted after 24 hours.

Storage & Shelf Life

Keep elevated in dry, moisture free condition. Can be stored for 12 months in sealed original packaging.

MAXCRETE 801

PRODUCT INFORMATION
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Health & Safety

Prevent contact with skin and wear waterproof gloves and goggles when handling. Upon contact with skin, wash with soap and water. In case of eye contact, flush with water and seek medical attention immediately.

Note The information in this publication is given in good faith and is based on our current knowledge and experience.

We assume no liability, expressed or implied, to any particular use and/or application.

All information herein is effective from the date of issue and supersedes all previous editions.

* Values are typical and not meant as performance benchmark.