

CA111 STARFIX SUPER

High Flexible One Component Cement Based Tile Adhesive



● Intelligence ● Top ● Leader ● Specialist ●

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Description:

CA111 STARFIX SUPER, is high quality flexible one component cement based tile adhesive developed to bond all types of tiles / marbles / stones and is also ideal for areas of movement, vibration or temperature fluctuation. CA111 STARFIX SUPER has anti-fracture properties reducing the likelihood of tile cracking due to existing cracks in the substrates. CA111 STARFIX SUPER has such versatility and suitability for both internal and external applications, including wet areas.

Features & Benefits:

- ◆ High Bond Strength & High Polymer Contents
- ◆ Withstands Vibration
- ◆ European Standard **BS EN 12004 : 2007 Table 1 – Class C2TE S1**
- ◆ Non-Sagging & High Flexibility
- ◆ Long Open Time / Long Correction Time
- ◆ Odourless and Non-Toxic
- ◆ Application on Wet Areas
- ◆ Easy to Clean & Easy to Trowel
- ◆ Thick and Thin Bed Application
- ◆ Internal & External Use

Suitable Substrates:

1. Concrete
2. Cement Mortar Bed
3. Cement Plaster / Floor Screed
4. Brick Masonry
5. Swimming Pool, Kitchen & Laundry Areas etc.

Surface Preparation:

All surfaces must be clean, dry and free from dust, grease, wax, oil, laitance curing compound. Highly porous substrates must be primed prior to tiling. Concrete should be allowed to cure for at least 28 days and cement render 7 days prior to tiling. Smooth finished concrete must be mechanically abraded to increase adhesion of tile adhesive. Expansion / Movement Joint must be incorporated in the layout in accordance with AS3958.1-1991 clauses 5.4.1 to 6

Mixing Procedure:

25Kg of CA111 STARFIX SUPER powder requires approximately 6.25 - 7.00L of water. Place a measured amount of clean water into a clean container. Add CA111 STARFIX SUPER powder slowly into the liquid with low speed constant stirring. Use electric drill mixer with suitable paddle. Mix to a thick toothpaste consistency and eliminate lumps. Allow to stand for around 5-8 minutes, then remix before use.

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Application:

Apply the mixed mortar to the prepared substrate with the flat side of trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Spread as much adhesive mortar as can be covered with tile in 20 - 30 minutes.

Note:

- ◆ Use the proper sized of notched trowel to ensure full bedding of the tile.
- ◆ The adhesive mortar may also need to be applied to the back of the tiles, especially for large tile to provide full bedding, firm support and it will accommodate the required levels.

Ensure that the bedded tiles are fully supported by the adhesive mortar with no voids underneath or behind. Place tiles into wet, sticky mortar before it skins. Use beating block and rubber mallet to embed tile and adjust the level. Do not disturb tiles until the adhesive has dried. Commence grouting after 24 hours when tile work is firm.

Grouting:

Grout with CA004 TILE GROUT and mix with CA003 GROUT ADDITIVE for getting maximum adhesion and better chemical resistance.

Cleaning:

The excess of CA111 STARFIX SUPER adhesive can be removed from the surface using a damp cloth, while adhesive still wet.

Packaging:

Available in 25Kg Paper Bags.

Pot Life:

Approx. 2.5 hours at 23°C ±2°C and 50% ±5%RH

Setting Time:

Approx. 24 hours at 23°C ±2°C and 50% ±5%RH

Coverage:

Approx. 1.15 – 1.30kg of CA111 STARFIX SUPER per m² for mm thickness.

Cold Weather Note:

The setting of Portland Cement Based Tile Adhesive and Grouts are retarded by low temperatures. Protect finished work for extended period when installing in cold weather.

Hot Weather Note:

The evaporation of moisture in Portland Cement Based Tile Adhesive and Grout are accelerated by hot and dry conditions. Apply to dampened surface and protect freshly spread mortar and finished work when installing in temperature over 50°C.

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Technical Data:

Appearance	Grey / White Powder
Bulk Density	2.0 g/cm ³
Tensile Adhesion Strength according to the requirement of BS EN 1348 (N/mm ²):	
Initial (After 28 days)	≥ 1.0 N/mm ²
After Heat Aging	≥ 1.0 N/mm ²
After Water Immersion	≥ 1.0 N/mm ²
After Freeze-thaw Cycles	≥ 1.0 N/mm ²
Transverse Deformation	≥ 2.5mm
Pot Life	Approx. 2.5 hours at 23°C±2° and 50%±5% RH
Open Time	Max 30 minutes at 23°C±2° and 50%±5% RH
Shelf Life	12 months unopened bags
Application Temperature	From +5°C to +50°C
Adjustability Time	Approx. 60 minutes
Set to light Traffic	After 24 – 36 hours
Resistance to alkali:	Excellent
Resistance to oil:	Excellent
Resistance to solvents:	Excellent

Safety Precautions:

CA111 STARFIX SUPER Product is non-toxic but contains cement. Use good and occupational health and safety practices to avoid personal contact. ITLS recommend the use of dust masks, eye protection and wearing of gloves when handling this product. For more detailed information refer to Product MSDS.

Shelf Life:

Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be store off the floor.

Fire:

CA111 is non-flammable.

Limitations:

Please consult our technical department if you would like to apply on any difficult bond or non-cementitious substrates.

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