

CA-109 STARFIX

General Purpose Cement Based Ceramic Tile Adhesive



ITLS INTERNATIONAL DEVELOPMENT CO., LTD

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DESCRIPTION

STARFIX CA-109, General Purpose Cement Based Tile Adhesive, suitable for fixing most types of wall and floor ceramic tiles including monocottura, slate, quarry tiles, terracotta and natural stone. STARFIX CA-109 is suitable for “thin and thick bed applications” onto rigid substrates, including concrete, cement render, brickwork and blockwork.

FEATURES & BENEFITS

- ◆ High Bond Strength
- ◆ Economic Tile Adhesive
- ◆ Long Open Time (30min and C1E Grade)
- ◆ Long Correction Time - No Odour and Non Toxic
- ◆ Easy to Spread and Non Sagging
- ◆ Easy to Clean
- ◆ Thick and Thin Bed Application
- ◆ Internal & External Use

SPEIFICATION

Appearance	Grey Powder
Bulk Density	1.5 gr/cm ³
Mixing Ratio	6.25L water for 25Kg powder
Pot Life	2.5 hours at 22°C and 50% RH
Open Time	max 30 minutes at 22°C and 50% RH
Shelf Life	12 months unopened bags

SUITABLE SUBSTRATES

1. Concrete
2. Cement Mortar Bed
3. Cement Plaster / Floor Screed
4. Brick Masonry

SURFACE PREPARATION

All surfaces must be clean, dry and free from dust, grease, wax, oil, laitance curing compound. Highly porous substrates must be prime with ITLS STARPRIME 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

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MIXING PROCEDURE

25Kg of STARFIX powder requires approximately 6.25L of water. Place a measured amount of clean water into a clean container. Add STARFIX 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 2 minutes, then remix before use.

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 accomodate 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 ITLS STARCOLOUR Unsanded or Sanded tile grout and mix with GROUT ADDITIVE for getting maximum adhesion and better chemical resistance.

CLEANING

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

PACKAGING

Available in 25Kg Paper Bags and 5 Kg in Plastic Bags

POT LIFE

2.5 hours at 22°C and 50% RH,

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SETTING TIME

24 hours at 22°C and 50% RH

COVERAGE

3Kg STARFIX Powder per m² using a 6mm x 6mm notched trowel and 6Kg Powder per m² when using a 12mm x 12mm notched trowel.

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 35°C.

SAFETY PRECAUTIONS

STARFIX 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 products.

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.

LIMITATIONS

Not suitable for tiling over flexible substrates, such fibrous cement sheeting, plasterboard and timber.