

Product Data Sheet



STARFIX TA-111

One Component, Thin Bed, Cementitious Tile Adhesive

Uses:

- Especially formulated to bond Ceramic / Porcelain Tiles, Ceramic Mosaics, Brick Slips, Dark Natural Stone
- Internal and External Application

Product Description

STARFIX TA-111 is a cementitious adhesive formulated of hydraulic binders, selected aggregates, and special additives. Delivered as dry powder in pre-weighed bags and ready to use on-site. **STARFIX TA-111** is designed to fix Ceramic & Porcelain Tiles and Terrazzo Tiles in a thickness from 3mm to 10mm, depending upon the substrate's type of tiles and quality.

Advantages

- Factory controlled pre-blend ensures consistently Quality
- Ready to Use – Just addition of Water
- Excellent Workability
- Excellent adhesion & High strength
- Resistant to Water
- Suitable for Vertical and Horizontal Surfaces

Standard Compliance

- BS:EN 12004 as C1T

Technical Properties

STARFIX TA-111	Typical Values & Laboratory Conditions
Base Material	Cement & Aggregated & Additives
Color	White / Grey
Aggregate Size	< 1.5 mm
Application Thickness	4 to 12 mm
Open Time	Approx.. 30 min
Adjustability	Approx.. 20 min
Compressive Strength @ 28 day (ASTM C109)	> 7.5 Mpa
Flexural Strength @ 28 day (ASTM C348)	> 2.5 MPa
Tensile Adhesion (Bond Strength) @ 28 days SASO ISO 13007-2	> 0.7 MPa
Density	1.5
Minimum application temperature	5 °C

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Application

SURFACE PREPARATION

The surface should be clean, dry, sound and free from oil, grease and wax contamination or others.

Wet all surfaces (except gypsum board) with clean water before Premium Project Fix's application. The surface should appear damp with no water pooling.

APPLICATION

Mixing:

Add 5 to 6 liters of cold, clean, potable water for 20 kg. Bag of STARFIX TA-111 adhesive mortar powder. Take water in the container and slowly add the powder in to the water while mixing by hand or slow speed mixing machine and mix until a uniform, lump-free, smooth, thick consistency is achieved.

Do not add water to the mixture once the mortar adhesive starts to harden.

Application:

Spread the mixed tile adhesive and firmly press it onto the surface. Work with a notched trowel – according to tile size. Spread the mortar adhesive to an area that can be tiled within 10-15 minutes.

Press the tiles firmly over the mortar adhesive and immediately push them into the desired position. Adjust the position of the tiles within its adjustability time of 10-15 minutes.

Allow the installed tiles to remain undisturbed for at least 48 hours. Mortar adhesive must not rise between the tile joints higher than halfway the thickness of the tiles.

It is recommended to use STAR Tile Grout to fill the joint gaps after 2 days of tile installation.

Limitations

When using other than STAR products in conjunction with STAR primers, sealers, leveling compounds, or adhesives, STAR denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAR.

Cleaning:

Remove **STARFIX TA-111** from tools and equipment with warm water before the initial set. Set materials can only be removed mechanically.

Packing & Coverage:

STARFIX TA-111 is packed in 20 Paper Bags.

Product	Pack Size	Theoretical Coverage
STARFIX TA-111	20 Kg bag	Wall: 5 m ² Floor: 4.5 m ²

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

Shelf Life & Storage:

The original sealed Pail of **STARFIX TA-111** has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Health & Safety:

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

STARFIX TA-111 is not considered hazardous – But contains Chemicals.

For detailed information and advice on the safe handling, storage, and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

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Additional Information:

STAR manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product sections:

1. **Waterproofing Products**
2. **Sealants, Grouts, and Joint Fillers**
3. **Adhesives**
4. **HVAC – Adhesives, Coatings & Sealants**
5. **Flooring Products**
6. **Industrial Adhesives (i.e. Paper Industry)**
7. **Accessories**

STAR Technology provides various technical information such as detailed method statements, specification clauses, application manuals and technical support both in contractors and consultant's offices as well as construction sites.

For further information on these products and systems kindly visit our website or contact your local STAR representative