



GLAZE PLUS

# TECHNICAL DATA SHEET

## GLAZEFIX 111

## GLAZEFIX 111 (C2TE FLEX)



### DESCRIPTION

GLAZEFIX 111 Cement and polymer based, Reinforce fiber based and gel based, reduced slip feature, long working time and high adhesion performance, suitable for all climatic conditions, indoor and outdoor, horizontal and vertical, long-lasting, such as ceramic, tile, porcelain ceramic, natural stone. It is a flexible adhesive mortar for materials.

In compliance with TS EN 12004 – 1:2019 C2TE Flex standards.

IS 15477: 2019 (TYPE 3)

C2: Cement Based, Additional Features Developed, Long Performance

T: Slip Feature Reduced

E: Open Waiting Time Extended

### USAGE PLACE

- Adhering materials such as tiles, ceramics, porcelain ceramics, natural stone to cement-based surfaces such as concrete, plaster, screed in indoor and outdoor horizontal and vertical applications,
- Adhering materials such as tiles, ceramics, porcelain ceramics, natural stone to gypsum-based surfaces in indoor, horizontal and vertical applications,

- Can be applied in indoor tile size (2X4 ft, 32X64 inch, 4X4 ft, 8X4 ft) on wall and floor
- Adhering materials such as tiles, ceramics, porcelain ceramics, natural stone on insulation in wet places such as bathrooms, balconies, kitchens,
- It is used for bonding ceramics on ceramics in exterior coatings of buildings, renovation and repair works.

## ADVANTAGES

- It mixes only with water.
- It saves time and labor with its long working time.
- It does not slip in vertical applications.
- Provides fast and easy application.
- Provides application opportunity on gypsum surfaces.
- Resistant to freeze-thaw cycle.
- Adapts to ground stresses arising from temperature differences and is not affected

## TECHNICAL DATA

Structure of Material	
Density	1,80 kg/lt
Color	Grey, White
Initial Tensile Adhesion Strength	1,1 N/mm <sup>2</sup>
Tensile Adhesion Strength After Immersion in Water	1,2 N/mm <sup>2</sup>
Tensile Adhesion Strength After Heat Aging	1,02 N/mm <sup>2</sup>
Tensile Adhesion Strength After Freezing-Thawing Cycle	1,1 N/mm <sup>2</sup>
Joint Application	24 hours
Application Thickness	3-8 mm
Application Surface Temperature	+5°C / +35°C
Service Temperature	-20°C / +80°C
Ripening Time	3-5 min.
Usage Time	2 hours
Open Waiting Time	30 min.
Slip (mm)	None
Joint Application	24 hours later
Walkable Time	24 hours later
Reaction Class to the Fire	A1

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures increase the time.

## APPLICATION PROCEDURE

### Surface preparation

#### Cement Based Surfaces

The surfaces to be applied must be clean, free from all kinds of dust and dirt and must be in balance. The areas requiring repair should be repaired with GLAZEFIX series repair mortars at least one day before. If the surface temperature is above +20°C, the surface should be slightly moistened.

#### Other Surfaces

Before applying on gas concrete, gypsum plaster, particle board, gypsum board, lime plaster surfaces with high water absorbency, GLAZEFIX 111 is diluted with 1/1 water as a primer and applied to the surface.

Adhesion is done at least 8 hours after the primer is applied.

## MIXTURE

The appropriate amount of water described on the packaging is poured into a clean mixing bowl.

While GLAZEFIX 11 bag is opened and slowly added into the water, it is mixed for 3-4 minutes until it becomes

homogeneous with a 400 - 600 speed mixing drill. There should be no lumps in the material.

After the material is rested for 3 minutes, it is mixed again for 1 minute to make it ready for application.

## MIXING RATIO

Approximately 7.00-7.50 liters of water should be used for 25 kg/1 bag of GLAZEFIX 111 Gray.

Approximately 7.50-8.00 liters of water should be used for 25 kg/1 bag of GLAZEFIX 111 White.

## APPLICATION

GLAZEFIX 111 layer is applied to the application surface with the flat side of the trowel.

GLAZEFIX 111 is applied to the area large enough to be covered within 30 minutes, which is the open waiting time, with the toothed side of the trowel in one direction to obtain a uniform thickness. It is recommended to apply 1 mm thick GLAZEFIX 111 to the back of each ceramic in order to cover the defects on the

application surface when bonding ceramics of different thicknesses. When applying the ceramics to the surface, the coating materials are floated in the mortar to ensure that they are fully in contact with the adhesive mortar. The application is completed by leaving the recommended joint gap according to the appropriate ceramic size. GLAZEFIX Series joint fillers should be used to fill the left joint gaps. Joint application can be started after approximately 24 hours.

## APPLICABILITY TEST

For the ceramic applicability test on the adhesive, the open waiting time should be checked. Fingers are pressed to the adhesive on the applied surface. If the adhesive gets on the finger, the application of gluing ceramics and tiles is continued. If the glue does not get on the finger, it means that the application time of the glue has passed. In this case, the adhesive should be scraped from the surface and new adhesive should be applied.

## CLEANING OF THE TOOLS

Tools and equipment used after the application should be cleaned with water immediately. GLAZEFIX 111 can only be mechanically cleaned from the surface after hardening.

## COVERAGE

Depending on the tooth thickness of the ceramic comb to be used, the coverage varies between 3.5-6 kg/m<sup>2</sup>.

## PACKAGING: 25 Kg | 40 Kg

## WATCH POINTS

- GLAZEFIX 111 application, if the ambient and surface temperature is below +5°C or above +35°C, suitable temperatures should be expected. It should not be applied in extremely hot, rainy and very windy weather.
- It should be protected from sun, rain, wind and frost for the first 24 hours in outdoor applications.
- Working and reaction times in ceramic adhesive mortars are affected by air temperature, humidity and floor temperatures.
- High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration, which prolongs working time. In order for the material to complete its curing, the floor temperature and ambient temperature to be applied must not fall below the minimum allowable temperature.

## TECHNICAL SUPPORT

9/47 Subhash Nagar, New Delhi 110027 | C401 - Swami Narayan Business Park, Narol Circle Ahmedabad - 382405 | [www.glazeplusitaly.com](http://www.glazeplusitaly.com), [www.glazeplus.in](http://www.glazeplus.in) | [sales@glazeplus.in](mailto:sales@glazeplus.in)  
Helpline no. +918368077496