



# FAST Normal +



## adhesive mortar for ceramic and terracotta tiles, water and frost resistant type C1 T

### APPLICATION

**FAST NORMAL +** is used for gluing ceramic tiles and terracotta to non-deformable surfaces such as concrete, cement screed and anhydrite, cement and cement-lime plaster, gypsum plasters and rigidly fixed gypsum plasterboards and gypsum-fiber boards. It can be used in indoor and outdoor construction on vertical and horizontal surfaces, in places not exposed to high deformation of the cladding due to temperature changes. It is possible to glue the tiles starting from the top. Due to its increased parameters, it is also suitable for gluing porcelain tiles inside rooms. In the case of deformable surfaces or greater loads, we suggest using **FAST EXTRA** or **FAST EXTRA+**.

### PROPERTIES

Frost and waterproof adhesive mortar **FAST NORMAL +** is a dry mineral mix, modified with synthetic polymers, characterised by high adhesion. Due to its properties, it is economical and easy to use. It is characterized by a very low flow, which allows the tiles to be glued from the top.

### SUBSTRATE PREPARATION

The surface should be even, strong and dry, free from all kinds of contaminants that would reduce the adhesion of the mortar, i.e. dust, lime, grease, remains of old paint coatings. In order to increase adhesion and eliminate dust, surfaces should always be primed with **FAST GRUNT U** or **FAST GRUNT G**. The product can be used on the following surfaces:

- cement and cement-lime plasters (after a minimum of 28 days and the humidity not higher than 4%)
- cement screeds (after a minimum of 28 days and the humidity not higher than 4%)
- concrete (more than 3 months after and humidity not higher than 4%)
- anhydrite surfaces (humidity 0.5%)
- gypsum (humidity below 1%)

### PREPARATION AND USE

Pour about 5.5 liters of water per 25 kg of dry product into the container and add the contents of the bag, stirring until the consistency of a homogenous paste is obtained. Leave for about 10 minutes and mix again before use (do not add water). The mortar prepared in this way is usable for a period of 2.5 to 3 hours. During work, the adhesive mortar should be stirred periodically every 30 minutes. The tiles should not be soaked in water prior to laying. Start laying the tiles by applying a layer of glue to the surface with the flat side of the trowel, and then collecting the excess with the comb side. The thickness of the teeth on the trowel depends on the type and size of the tiles.

It should be remembered that the size of the surface on which the adhesive mortar is to be applied should allow for proper laying the tiles before the open drying time expires. If the mortar stops sticking to hands during work, it means that the time has been exceeded and it is necessary to remove the mortar and replace it with fresh one. It should be remembered that to ensure adequate adhesion, the adhesive mortar should cover at least 65-70% of the tile surface, and even 100% in wet places, exposed to intensive use and outside buildings. The tiles should not be butt jointed. The size of the joint should depend on the dimensions of the tiles.

Depending on the temperature and relative air humidity, the joint can be applied after no less than 48 hours from laying the tiles. The works should be carried out in dry conditions with air and surface temperatures between +5°C and +25°C. Fresh claddings should be protected against unfavorable weather conditions until they are dry.



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## TECHNICAL DATA

Base unit	kg
Base	dry cement mixture with mineral fillers, modified with synthetic polymers
Mix proportions	about 6 l of water for 25 kg of dry product
Mortar density after mixing with water	about 1,7 kg/dm <sup>3</sup>
Open time of work	about 20 min
Ready-to-work time	from 2,5 hours to 3 hours
Tensile strength	min. 0,5 N/mm <sup>2</sup>
Grouting	after min. 48 hours
Layer thickness	from 2 mm to 10 mm
Flow	no more than 0,5 mm

## USE

Depending on the type of substrate, FAST Normal + consumption is from 2 to 4 kg / m<sup>2</sup>.

The consumption depends on the size of the comb teeth and amounts to, respectively: comb from 4-6mm about 2 kg/m<sup>2</sup> comb from 6-8mm about 3.0 kg/m<sup>2</sup> comb from 8-10mm about 4.0 kg / m<sup>2</sup>

## PACKAGING

bag	25 kg
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## NORMS

Manufactured in accordance with: PN-EN 12004+A1:2012 It has a valid hygienic certificate

## STORAGE

Store in factory-sealed packages, in dry rooms, on pallets at a temperature of +5°C to +25°C. The shelf life is 12 months.

## NOTES / ADDITIONAL COMMENTS

The scope of the product application recommended and specified in the product sheet or the manner of its execution does not release the contractor from carrying out works in accordance with the construction practice and health and safety rules. P.W. FAST guarantees and is responsible for the quality of the product, but has no influence on the method of its application and the conditions in which it was applied. All the technical data were measured under normal conditions, i.e. temp. +20°C and air humidity 60%. Under different conditions the drying time may change, i.e. it may be extended or shortened.

This sheet replaces all previous versions.

## WARNING

The product is irritant and contains cement, becomes alkaline after mixing with water. Avoid direct contact with the skin and protect the eyes. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Keep away from children.

ADHESIVE FOR CERAMIC TILES  
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