

# STEREA® FLEX

## High quality and technology, cement based tile adhesive

### Properties - Description

STEREA FLEX is a flexible, professional, high-tech cement-based tile adhesive. It is consisted of white cement, marble of a suitable granulometry, limestone filler and propriety selected admixtures while it is reinforced with polymeric components (resins). It provides high initial and final adhesive strength and moisture resistance, while it has reduced slip and increased open time and it is highly flexible. It is ideal for substrates subjected to heavy stress, underfloor heating and swimming pools while it has high resistance to temperature fluctuations. It is classified as type C2TE S1 adhesive (improved slip resistant cementitious adhesive with extended open time deformable) according on EN 12004 and EN 12002 and is suitable for indoor and outdoor use.

### Fields of application

STEREA FLEX is suitable for fixing both absorbent and non-absorbent tiles, stones on hard surfaces subject to thermal expansion and heavy traffic, but also in areas with increased humidity (underfloor heating, old tiles, swimming pools, etc.)

### Consumption

Indicative consumption of STEREA PRO is about 1.5-4 Kg / m<sup>2</sup> depending on trowel's notch, tile's type and the application.

### Technical data

|   |                          |
|---|--------------------------|
| Form:   | cementitious mortar      |
| Color:  | white                    |
| Water demand :  | 7 / sack 25 kg           |
| Application temperature:  | from +5°C to +35°C       |
| Application thickness:  | up to 10 mm              |
| Pot life:   | at least 6 h             |
| Open time:  | at least 30 min          |
| Minor adjustments open time:                                      | at least 30 min          |
| Slip:   | <0.5 mm                  |
| Pointing on walls:  | after 3-8 h              |
| Pointing on floors:   | after 24 h               |
| Adhesive strength after:  |                          |
| • 28 days:  | ≥ 1,90 N/mm <sup>2</sup> |
| • heating in +70°C:   | ≥ 1,70 N/mm <sup>2</sup> |
| • immersion in water:   | ≥ 1,70 N/mm <sup>2</sup> |
| • freeze-thaw cycles:   | ≥ 1,30 N/mm <sup>2</sup> |
| Temperature resistance:   | from -15°C to +60°C      |
| All measurements were conducted according to EN 12004 & EN 12002. |                          |

## Directions for use

### Substrate

The surface to be overlaid should be clean, free of dust, loose and other materials. Dampening of the substrate before application is recommended.

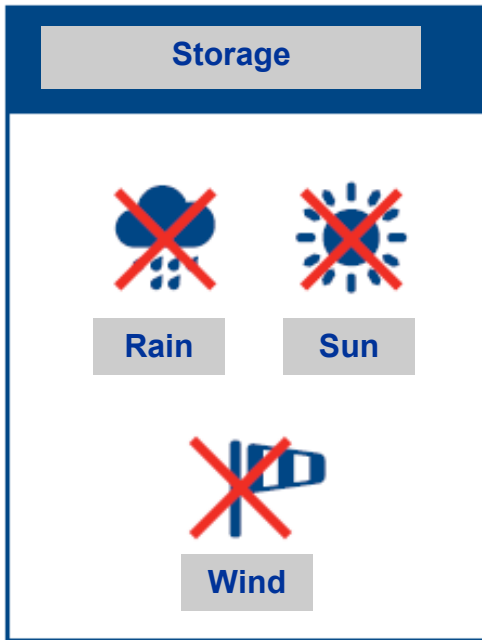
### Application

1. A sack of STEREA PRO (25 kg) is gradually added in an empty container with 7 liters of clean water.
2. Stir continuously with an electric stirrer until a uniform paste is formed.
3. The mixture should be left about 5 minutes to settle and should be stirred again.
4. The tile adhesive should be spread ("combed") on the substrate using a notched trowel in order to be uniformly applied on the whole surface.
5. The applied mixture must be covered with tiles within 30 minutes and be pressed well to the desired position in order to ensure full contact.

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### Shelf life-Storage

When stored unopened in a dry place. Shelf life is 12 months from date of manufacture.



### Packaging

Sacks of 25 kg

### Remarks

TITAN's packed products help keep the environment clean.

- They reduce waste and material losses.
- They reduce the pollution of the surrounding area.
- Their packaging is fully recyclable

**Έτοιμο  
ξηρό κονίαμα**



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**15**

**EN 12004:2007 + AI:2012**

Normal setting  
cementitious adhesive  
with reduced slip and  
extended open time,  
for internal and external  
tiling (C1TE)

Η δήλωση επιδόσεων του προϊόντος  
(DoP: Declaration of Performance)  
είναι διαθέσιμη στην ιστοσελίδα  
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## General Instructions

- STEREA PRO should not be used at temperatures below 5°C.
- Apply the adhesive to a substrate, covering up to 1 m<sup>2</sup> at a time (or to a surface that can be spread within 20 minutes).
- Use a suitable notched trowel so as to achieve the necessary thickness for uniform application.
- The tile adhesive should be also applied to the back of larger or non-flat tiles.
- Place the tiles firmly on the adhesive in order to achieve good contact.
- It is suggested to randomly pick up a tile after installation so as to ensure that the required contact has been achieved - the tile surface must be free of gaps.
- Let the appropriate gaps between the tile tiles and make any changes within 10 minutes.

Carefully clean excess of tile adhesives from tiles and joints with a damp cloth or sponge. The grout should be placed 24 hours after the installation of the tiles, except in the case of low temperatures or impervious surfaces.

For better results, take under consideration any particularities of the final coating material (tile material - size - shape) and follow the manufacturer's instructions. Avoid spreading on substrates that have not dried well. Depending on the nature of the project, the weather conditions and the substrate, wait 2-7 weeks to completely dry the cement mortar or concrete. The surface to be overlaid should be clean, free of dust, loose and other materials. On special occasions priming may be required.

Tile shifting:

Flexible joints must be installed in order to permit light movements due to temperature, humidity, etc.

A) where the tiles meet other materials such as the perimeter of the floor / skirting board

B) along the length of all inner corners (horizontally and vertically)

C) above existing joints or joints of the cement mortar or where the substrate is consisted of different materials

D) where larger areas need to be divided into smaller ones.