



# GLUEFLEX



## GENERAL INFORMATION ON USE

### Name

GLUEFLEX

### Description

High-performance cement adhesive with no vertical slippage and a long pot life, for ceramic tiles and stone material for indoors and outdoors.

For professional use.

### Classification

According to standards EN 12004. GLUEFLEX is an improved (2) cement adhesive (C) resistant to slippage (T) and with a long pot life (E)

### Use

Outdoors/Indoors

### Suitable Substrates

Suitable for plaster containing cement, cement temper, cement base courses, absorbent and rough concrete; waterproofing membranes made of Towflex .

First apply Towacril on cement plaster or anhydride base courses.

Do not use on expanded cellular cement, wood, metal, vinyl floors, linoleum, rubber

## CHARACTERISTICS

### Appearance/Composition

Physical state: powder

Type of resin/binding agent: hydraulic, resin dispersible in powder

### Dimensional characteristics

Apparent density: 1.42 kg/dm<sup>3</sup>

Density in paste: 1.62 kg/dm<sup>3</sup>

Particle size: 0.5 mm

### Performance characteristics

Dry residue: 100%

pH: 13

Slip: < 0.5 mm

Adhesion open time at 30 minutes: >0.5 N/mm<sup>2</sup>

Alkali resistance: good

Solvent resistance: Excellent/good

Oil resistance: Excellent/good

Vegetable oil resistance: poor

### Mechanical strengths

Bearing: 20 N/mm<sup>2</sup>

Flexural: 7 N/mm<sup>2</sup>

Adhesion: 1.8 N/mm<sup>2</sup>

Adhesion after heat action: 1.6 N/mm<sup>2</sup>

Adhesion after immersion in water 1.1 N/mm<sup>2</sup>

Adhesion after freezing-thawing cycles 1.3 N/mm<sup>2</sup>

### Colour range

White, grey

## APPLICATION

Ambient temperature: min. + 5° C max + 35° C

### Equipment

Type: sawtooth float, trowel, low-speed mixer

### Mixture ratio

WHITE GLUEFLEX 27-29% with water

GREY GLUEFLEX 25-27% with water

### Pot life of the mixture at ≈ 23°C

About 8 hours depending on the ambient conditions

### Preparation of the substrate

The substrates must be flat, mechanically resistant, free of crumbling parts and free of grease, wax, oil. On gypsum bases apply Towacril 6 hours before.

### Application procedure

Mix WHITE GLUEFLEX with approx. 7 – 7.5 l of water, GREY GLUEFLEX with approx. 6.5 – 7 l of water. Mix with a trowel or, better still, with a drill at low speed until a smooth, homogeneous mixture is obtained. Leave the mixture to stand for 5 – 7 minutes and stir for a short while before using. Apply GLUEFLEX with a sawtooth float, making sure to press it onto the base first with the smooth side of the float. Doing this not only incorporates any traces of powder but also makes it possible to take full advantage of the pot life and smoothability of the glue. There is no need to wet the tiles before laying; only in the case of very dust-bearing showers it is advisable to wash with clean water. While laying make sure that a superficial film does not form on the glue, if this happens float it again with a little fresh glue. Tap the tiles carefully, to allow them to be perfectly wet. Any smoothing of the coating should be done within 60 minutes.

Walkability approx. 24 hours.

Heavy traffic 14 days.

Baths and swimming pools can be filled after 21 days.

The gaps between the tiles can be pointed after 4-8 hours on walls and after 24 hours on floors

### Coverage

Amount used:

Mosaics Small sizes 2 kg/m<sup>2</sup>

Standard sizes 2.5–3.5 kg/m<sup>2</sup>

Large sizes 4.5–5 kg/m<sup>2</sup>



# GLUEFLEX



## STORAGE

### Packaging

Bags of 25 kg

### Storage

The stability of the product is guaranteed for twelve months if it is stored in its original packaging in a dry, sheltered place. Do not store the product at less than 5° C and more than 30° C  
Compliant with Italian Ministerial Decree dated 10 May 2004

## SAFETY INFORMATION

### Hazard classification

Danger labelling required in accordance with directive 60/2001/EC and subsequent amendments and additions. Contains cement that, on contact

with sweat or other bodily fluids, produces an irritant alkaline reaction and allergic reactions in predisposed persons

### Warning advice for the user

Use gloves and goggles

### Odour limit

Cement

### Identification of waste material type

#### Paper containers:

Classifiable with code 150105 (may be treated as urban waste in accordance with the regulations of the different municipalities)

If there is any undried powder left in the container it can be classified with code 150110

**Dispose of in accordance with local regulations**



**N.B.** This Technical Information Sheet is compiled to the best of our technical/scientific knowledge. Nevertheless, it is not binding and does not imply that we are responsible, as the conditions of use are outside our control. It is recommended that the product is always checked as being suitable for the specific application.

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