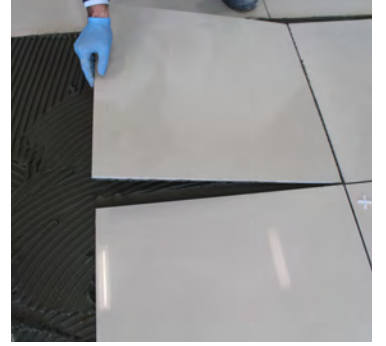


# Teknofay Superflex

Flexible and High Performance Ceramic  
and Granite Adhesive (2 components)



TS EN 12004 C2TE S2

Public Pos. No: 10.300.2205

**Product Description** Two components high performance cementitious, flexible adhesive with reduced slip and extended open time for large-sized ceramic, granites, porcelain ceramics and natural stones.

## Areas of Usage

- Exterior bonding of all types ceramic granite or porcelain ceramics sized 40x40 cm up to 30 meter and 60x60 cm up to 15 meter height.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals and schools.
- For interior and exterior applications on cementitious renders, cementitious screeds and concrete.
- On the floors with floor heating, in heated pools, in thermal pools, on the walls and floor coverings in cold storages.

## Features and Benefits

- Perfect adhesion performance.
- It does not slip in vertical applications.
- Easy to prepare and apply.
- High durability, flexibility and resistance to temperature changes.
- Extended open time.

## Application Instructions

**Surface quality:** The surfaces should be clean, smooth, sound and at the same time level, weak parts should be removed and damaged surfaces should be repaired with TEKNOREP. There should be no grease or mortar rust on the surface.

**Surface Preparation:** If applied on marble, ceramics and pellets, the surfaces should be roughened. Concrete floor should be damp but there should be no water accumulation.

**Mixing:** Pour 25 kg of powder component into 5,8 litres liquid component and mix slowly until obtaining a homogenous paste free from lumps. A low speed mixer is recommended to mix. Allow to stand 5 minutes and after 1-2 minutes remixing, the paste is ready for application.

## Application Notes / Restrictions

The product may be irritating to the skin. Work clothes, protective gloves, masks and glasses must be used.

- A protective cream can also be applied before starting. In case of mortar contact with eyes, eyes should be washed immediately with warm water and consult a doctor.
- It must be protected under ambient conditions below (+) 5°C, the product should be covered with nylon or exposed to freezing by spreading heat insulation plates.

- It must be protected at temperatures above (+) 35°C, covered with nylon or heat insulation plates should be laid out to prevent the product from being exposed to sudden water loss.
- At least 24 hours after the application of Teknofay Superflex, the joint filling should be started.
- Do not add strange material.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above + 35°C), rain and frost. Teknofay Superflex should be cleaned with water without getting hard and hard. Immediately after application, hands and face should be washed thoroughly with soap and warm water.
- Immediately after applying the equipment, the mortar should be washed with water without hardening.
- Combined methods should be preferred in applications where there is intense pedestrian and load traffic or where heat changes are high.

### Storage Conditions

It should be stored in original closed package, in cool and dry environment, protected from freezing.

### Technical Data

General Information	
Appearance/Color	1 <sup>st</sup> comp: Grey , 2 <sup>nd</sup> comp: White
Shelf Life	12 months
Package	Kraft bag and drum
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Ratio	5,80 kg liquid component / 25 kg powder component
Pot Life	3 hours
Service Temperature	(-20°C) - (+70°C)
Slip (EN 1308)	≤ 0.5 mm
Pedestrian Traffic Opening Time	1 day on the floor and 8 hours on the wall
Performance Information	
Open Time	≥ 0.5 N/mm <sup>2</sup> after 30 min
Tensile Adhesion Strength	
After Dry Storage	≥ 1.0 N/mm <sup>2</sup>
After Wet Storage	≥ 1.0 N/mm <sup>2</sup>
After Heat Storage	≥ 1.0 N/mm <sup>2</sup>
After Freeze - Thaw Cycles	≥ 1.0 N/mm <sup>2</sup>
Flexibility (EN 12002)	≥ 5 mm – S2 Flexible
Fire Reaction Class (TS EN 13501-1)	A2

### Consumption Table

TEKNOFAY SUPERFLEX	1 m <sup>2</sup> mixture Consumption (kg)
5,80 kg liquid 25 kg powder	4,5 - 6,5

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.