

# Teknofay Rapid

## Fast Setting Ceramic Tile Adhesive



TS EN 12004 – C1FT

### Product Description

Cement based, high performance, flexible, rapid setting adhesive for ceramic tiles.

### Areas of Usage

- Adhesion of absorbent wall ceramics to the concrete and plaster surfaces in interior places.
- On applications on gypsum plaster, gypsum panel, gas concrete and smooth concrete
- Used for bonding ceramics smaller than 40\*40 cm.
- It is ideal for places where it is required to be put into service in a day

### Features and Benefits

- Fast setting,
- Easy to prepare and apply
- It does not slip in vertical applications. Its properties are designed to reduce the slipping
- It saves time.
- Because of its fast and high adhesion properties, it gives strength after 6 hours.
- Resistant to water, moisture and frost.
- Allows joint filling after 3 or 4 hours.

### Application Instructions

**Surface Quality:** Surface must be clean, smooth, free from oil, dirt and rust. Weak parts must be removed and damaged surfaces should be repaired with TEKNOREP.

**Surface Preparation:** If the application is applied on marble, ceramic and polished surfaces, the surface should be roughened. The concrete floor should be moist, but there mustn't be any puddles on the surfaces.

**Mixing:** Pour 6.0 – 6.5 lt of clean water into a clean mixing container. (Be sure that the water must be at room temperature; not hot or not cold). Add TEKNOFAY RAPID (25 kg kraft bag) into the water and mixed it with a low speed mixer until you get a homogenous, workable admixture. Minimum mixing time must be 5 minutes. After mixing it, wait for 3 minutes without mixing it. Then mix it again for 2 minutes until you get a homogenous admixture.

**Storage Conditions and Shelf Life:** 12 months under proper storage conditions after production date. It should be stored in its original unopened package, in a cool and dry environment and should be protected from freezing.

## Application Notes/ Restrictions

- During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used.
- The mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and a physician should be consulted immediately.
- After the application, it should be protected against adverse weather conditions such as direct sunlight, strong wind, high air temperature, rain and frost.
- It must be protected under ambient conditions which is below (+) 5°C. To protect it from the cold weather or frost, cover it with nylon or heat insulation plates.
- At temperatures above (+) 35°C, it must be protected. To protect it from the hot weather, cover it with nylon or heat insulation plates. The product should not be exposed to sudden water loss.
- Do not add any foreign material in it.
- To fill the joints, wait at least 24 hours after you applied TEKNOFAY RAPID.
- Hands should be cleaned with water and detergent before curing. Before it hardens, wash soiled hands and skin thoroughly in hot soapy water.
- Clean tools and equipment with clean water immediately after use. Once hardened, product can only be removed mechanically.

## Technical Data

(at 23°C and 50% RH)	
<b>General Information</b>	
Appearance/Color	Gray
Shelf life	12 months
Package	25 kg kraft bag
<b>Application Information</b>	
Application temperature	(+5°C) - (+35°C)
Mixture Ratio	6.0 – 6.5 lt water / 25 kg powder
Pot life	20 minutes
Service temperature	(-20°C) - (+70°C)
Slide Ratio	≤ 0,5 mm
Joint filling time	6 hours
<b>Tensile and Adhesion Strength</b>	
Open time	After 6 hours > 0,5 N/mm <sup>2</sup>
Initial	≥ 0,5 N/mm <sup>2</sup>
After immersion in water	≥ 0,5 N/mm <sup>2</sup>
After heat storage	≥ 0,5 N/mm <sup>2</sup>
After freeze / thaw cycles	≥ 0,5 N/mm <sup>2</sup>
Dangerous content	Please see MSDS
Reaction to fire (TS EN 13501 – 1)	A1

## Consumption Table

TEKNOFAY RAPID	Density of the mixture (gr/litre)	1m <sup>2</sup> Powder Consumption (kg)	Mixing Water Per Bag (liter)
25 kg kraft bag	~1,70	4 – 5	6,0 – 6,5

