

Teknofay Ex

Ceramic and Granite Adhesive



CE TS EN 12004 – C2TE

Public Pos. No: 10.300.2203

Product Description C2TE class adhesive mortar with high bonding strength for porcelain, ceramic, granite ceramics, marble, briquette, etc.

Areas of Usage

- indoor and outdoor, horizontal and vertical applications
- On terrace and balconies,
- In places such as a swimming pool that are constantly exposed to water,
- For adhering large size ceramics with a water absorption rate of less than 3%
- For adhering materials such as granite ceramic, marble and natural granite,
- Where there is a lot of heat difference,
- For applications on gypsum plaster, gypsum board, aerated concrete and exposed concrete,
- It gives excellent results in ceramic and granite bonding works on the exterior facades.
- For adhering natural stone, btb, glass mosaics,
- For adhering heat insulation boards and plates made of pumice or aerated concrete to exposed concrete,
- For walling with pumice or aerated blocks,
- In wet volumes such as swimming pool, water depot, bath, etc.

Features and Benefits

- Easy to prepare and apply.
- High adhesion.
- It does not slip in vertical applications.
- The processing time is long.
- No water permeability.

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: 7,0 - 7,5 lt clean, clear water received from normal ambient temperature into a clean container which is free from all kinds of materials which prevent adhesion. TEKNOFAY EX in 25 kg bag as powder is poured into a container filled with water. The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained. The mortar obtained at the end of the process should be rested for 5-10 min and mixed again until it becomes homogenous again for 1-2 minutes.

Application Notes / Restrictions

- The product may be irritating to the skin; work clothes, protective gloves, masks and glasses must be used. Protective cream can also be applied before starting work. 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 application of Teknofay Ex, the joint filling should be started.
- Do not add foreign matter.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. Teknofay Ex should be made with clean 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.

Storage Conditions

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

Technical Data

General Information	
Appearance/Color	Grey or White
Shelf Life	12 months
Package	25 kg kraft bag
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Ratio	7,0 - 7,5 lt water / 25 kg powder
Pot Life	3 Hours
Service Temperature	(-20°C) - (+70°C)
Slide	≥ 5 mm
Pedestrian Traffic Opening Time	1 day on the wall for 8 hours
Performance Information	
Open Time	≥ 0.5 N/mm ² after 30 min
Tensile Adhesion Strength	
After Dry Storage	≥ 1.0 N/mm ²
After Wet Storage	≥ 1.0 N/mm ²
After Heat Storage	≥ 1.0 N/mm ²
After Freeze - Thaw Cycles	≥ 1.0 N/mm ²
Fire Reaction Class (TS EN 13501-1)	A1

Consumption Table

Teknofay Ex	Mixture Density (gr / lt)	1 m ² Powder Consumption (kg)	Mixture Water Amount (lt)
25 kg kraft bag	~1,80	4 – 5	7,0 – 7,5

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.

