

Teknoself 500

Self-levelling, Thick-applicable
Ready to Use Screed



CE TS EN 1504-2

Product Description

It is self-levelling, synthetic polymer reinforced floor levelling mortar of which sticking adhesion power is increased and which is specially formulized for industrial floors.

Areas of Usage

- It is used as levelling screed under the material granite, parquet, PVC and carpet in outer and inner such as tile, ceramic, granite ceramic, marble, natural spaces.
- On floors with floor heating,
- On places requiring high resistance (Hospitals, industrial floors etc.),
- On places requiring thick self levelling applications,
- On floors of stores and showrooms.

Features and Benefits

- It has self-levelling and rapid freezing features.
- It may be opened to traffic approximately in 1-2 hours. It becomes available for tiling approximately after 15 hours.
- It is resistant against furniture and wheel chair load.
- It doesn't crack even with too thin thicknesses and adheres perfectly.
- It may be used with floors with floor heating.
- It is easy to apply.
- Surface can be grinded.
- It may easily be opened for direct use by applying Teknocila 400.
- It is 3mm thick with 20°C temperature and 65% relative humidity.

Application Instructions

Surfaces should be clear, smooth and solid and should be cleared of substances and wastes preventing to adhere such as any kinds of dust, oil, dirt, rust, molding oil, detergent. Surfaces should be balanced, weak parts should be removed. If there is crack or cavity on floor or wall to make application, it should be repaired by convenient TEKNOREP repair mortar.

TEKNOLATEX 500 should be used on absorber surfaces and TEKNOLATEX 300 should be used on bright surfaces for better adherence and less surface defect before the application. Prepared material is poured by spreading on ready-primed floor. Spiked roller may be used in order to eliminate air bubbles on surface.

Using a low-speed rill and mixer tip is advised in order to provide homogeneous mix. 6,0 - 6,5 lt water is put into the bucket, then powder material is added slowly, mixing is continued until a homogenous mix is obtained. Amount of mixture water may change depending on ambient temperature. Completely mixed material should be used by spreading and smoothing for 30 minutes depending on ambient temperature.

It should be protected against negative weather conditions such as direct sunlight, strong wind, high air temperature (over 35°C), rain and frost after the application. Cleaning should be done by water before Teknoself 500 is completely cured and hardened. As hardening will be completed a few days after the application, cleaning can be done only by using mechanical equipment.

Application Notes / Restrictions

- Immediately after the application, just before the hardening, equipment should be washed by water and hands should be washed by clear warm water and soap.
- It shouldn't be exposed to strong winds, frost after completing the application. Therefore protection measurements should be taken.
- Floor should be protected from water after the application.
- It is not used at places where always expose to water.
- Temperature of the floor shouldn't be lower than 10°C during curing. Low temperatures may affect the curing process negatively.
- If floor to make application will be left open, then it is polished by Teknocila 400 (polish) and keeping more resistant against environmental effects is ensured.

Technical Data

General Information	
Appearance	Grey powder
Shelf Life	12 months in unopened packed on dry environment
Package	25 kg kraft bag
Grind Size	Dmax: 0,3 mm
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Rate	6,0 - 6,5 lt su / 25 kg powder
Duration of Process	20-30 min.
Density of Mortar	1,8 ±0,1 kg/lt
Duration of Putting Into Service	Approximately 18 hours
Consumption	1,8 kg/m² for 1 mm
Thickness of Application	10 - 30 mm
Performance Information	
Bending Resistance (28 days)	≥ 7,0 N/mm²
Pressure Resistance (28 days)	≥ 35,0 N/mm² (TS EN 196-1)
Adhesion Resistance (28 days)	≥ 2.0 N/mm²

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 28 days, which are obtained at + 20 °C temperature and 50% relative humidity rate.

