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Teknorep 100

Cement Based Skim Coat Plaster

CE TS EN 1504 – 3, R1

Public Poz. No: 100.300.2071

Product Description

Cement-based, one-component, white, light grey filler, for correction of interior concrete and plaster surfaces.

Areas of Usage

- It is used far the repair of smooth surface concrete elements with all kinds of surface defects.
- In all kinds of industrial reinforced concrete structures,
- To repair and reinforced of concrete projects,
- Parking lots, shopping malls
- In the repair of prefabricated elements.
- It is suitable for indoor use.
- It is suitable for use instead of satin plaster.

Features and Benefits

- It is mixed with water.
- Economical and easy to be applied.
- Provides smooth surface finish.
- It has excellent adherence on concrete and plastered surfaces.
- Creates a crack-free appearance on large surfaces.
- No need for primer.
- It does not swell with water like gypsum plaster.

Application Instructions

Surface Quality: The surfaces must be clean, smooth, solid, free from any antiadhesive substance such as dust, oil, dirt, rust, mold oil, detergent and waste. Weak parts on the surface should be removed.
Surface Preparation: Cement slurry and weakened parts should be removed, and there should be no materials such as oil dirt and rust on the surface. Absorbent surfaces must be pre-wetted, but there should be no water droplets or drops.
Mixing: 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. Teknorep 100 in 20 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. Mixing time should be minimum 5 min. The mortar obtained at the end of the process should be rested for 3 min. and mixed again until it becomes homogenous for 2 min. After the material has entered the reaction, it should not be mixed again with water

Application Notes / Restrictions

- Do not apply on mobile systems such as XPS, EPS, rock wool.
- In cement based products, reaction times are affected by ambient and ground temperatures. Reaction times are shortened in a hat environment, and extend in a cold environment.
- Hat water should be used in cold conditions.
- In hat environments, cold mixing water should be used.
- During the application of the product, work clothes suitable far occupational health and safety rules should be worn and appropriate glasses and masks should be used.

- Prepared mortar is applied to the concrete surface with steel trowel by stripping method. Then the necessary amount far levelling is applied to the surface. Applications with wall thickness more than 1 mm. should be made in layers.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. The product should be cleaned thoroughly with water and detergent before it is fully cured and hardened.
- Immediately after application, before hardened, the equipment should be cleaned with water. After the product is hardened, it should be cleaned by mechanical methods.

Technical Data

General Information	
Color	White - Grey
Shelf Life	12 months in unopened package in dry environment
Package	20 kg kraft bag
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Ratio	7,5 lt water / 20 kg powder
Workability Time	1 hours
Waiting Time Between Coats	2-3 hours
Time to Put into Service	24 hours
Application Thickness	0-3 mm
Performance Information	
Flexural Strength (28 days) (EN 12190)	≥ 2,5 N/mm^2
Pressure Resistance (28 days) (EN 12190)	≥ 10 N/mm^2
Adhesion Strength (28 days) (TS EN 1542)	≥ 0,8 N/mm^2
Chloride Ion Content (TS EN 1015-17)	≤ %0,05
Fire Response (TS EN 13501-1)	A1
Temperature Resistance	(- 20°C) - (+ 70°C)

Consumption Table

Teknorep 100	**Mixture Density (gr / lt)**	**1 mm/ 1m² Powder Consumption (kg)**	**Mixture Water Amount (lt)**
25 kg kraft bag	~1,7	0,5 – 1,0	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.