

Polyap[®] 702

Decorative Mineral Plaster

Material Description

Polyap[®] 702 is a cement based single component, polymer and fiber reinforced decorative plaster with water repelling characteristic

Complies with the TS 7847
Classification: E5-S4-V1-W2-A0-C0

Areas of Application

- Indoor and outdoor areas
- On mineral based surfaces.
- As decorative plaster on exterior heat insulation systems.

Characteristics and Benefits

- Mixes only with water.
- Easy and quick to apply.
- Enables perfect adhesion.
- Vapor permeable.
- Can be painted.
- Resistant to external factors.
- Resistant to freezing-thawing cycle.

Processing Method

(A) Preparation of Substrate


Application surface has to be strong, dry, bearing, dustless, clean, and also in balance. Surface must be cleaned off all kinds of oil, grease, rust, and paraffin traces that can weaken adherence and no loose particles must be present. Disordered surfaces must be repaired by suitable Repair Mortars.

In last layer application of heat insulation systems, to apply **Polyap[®] 702**, sheets have to be strongly adhered on the surface, be plugged, and **Polyap[®] S** plaster applied. Sheets must not be bulged by wind load.

(B) Mixing

Necessary amount of water is poured into a clean mixing container with the help of a scale. **Polyap[®] 702** is slowly added to the water and mixed with a 400-600 RPM mixer for 3-5 minutes until a homogenous and unumpy mixture is obtained. After resting it for approximately 3-5 minutes and mixing again for 30 seconds, the material is ready to use.

Technical Properties

Structure of the Material	Mineral Sealants, Synthetic Additives and Special Cement	
Color	White	
Adhesion Strength to Concrete (EN 1542)	≥0,8 N/mm ² (28 days)	
Application Ground Temperature	+5°C +25°C	
Service Temperature	-20°C +80°C	
Maturity Period	3-5 minutes	
Usage Period	1 hours	

The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

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Mixing Ratio

Polyap [®] 702	Amount of Mixture Water	Density of Mixture
For 1 kg powder	~0,25 liter	~1,80 kg/liter
For 20 kg bag	~5,00 liter	

(C) Processing

Polyap[®] S is applied as single layer on heat insulation sheets adhered by **Polyap[®] Y**, and wall plugged. Then, plaster net (fibermesh) is set in the first layer. **Polyap[®] 702** mixture, prepared after **Polyap[®] S** is set, is applied on the surface by a steel trowel. Materials, equipments, and team should be planned before as to finish the application in one time depending on dimensions of the application area. Desired pattern is formed on the surface by using a rubber trowel. After **Polyap[®] 702** is set, flexible exterior coating is applied in desired color.

Consumption

2.5-3.0 kg/m² (powder + water mix)

Point to Consider

- If environmental temperature is below +5°C or over +30°C in **Polyap[®] 702** application, then suitable temperatures must be waited for. Also **Polyap[®] 702** application should not be made in very hot, rainy or windy weathers
- Under no circumstances, water and new material must be added to drying in **Polyap[®] 702** mixture.
- Applications of additional layer should be made before the first layer is cured completely (wet on wet). Made before the first layer is cured completely.
- In outer surface applications, the surface has to be protected from sun, wind, frost or rain during the first 24 hours.

Cleaning of Tools

All the tools and equipments must be cleaned by water after the application. After **Polyap[®] 702** is hardened, it can only be removed from the surface mechanically.

Packaging

Polyap[®] 702 is available in 20 kg polyethylene reinforced kraft bag.

Shelf Life

12 months if stored according to manufacturer's instructions in unopened container. Opened packages have to be stored by tightly sealing the bag, and must be used in one week.

Storage

Must be stored in unopened original packing, and in cool and dry environment protected from freezing. In short-term storing, maximum 3 palettes can be stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other.

Health and Safety

During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, 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 soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

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Disclaimer

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