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Teknorep 570

Thermal Insulation Plaster

Poz No:10.330.3202

Product Description

It is a new generation ecological long-lasting thermal insulation plaster which is used on exterior walls, provides thermal insulation as well as waterproofing with its hydrophobic feature, and has sound insulation feature due to its light and porous structure.

Areas of Usage

Concrete, reinforced concrete, brick, pumice, aerated concrete blocks, plasterboard, Fiber Cement Board, OSB, restoration of historical masonry buildings , interior and exterior insulations.

Features and Benefits

It is a natural thermal insulation material that is applied internally and externally in all buildings instead of classical rough plaster.

*It lets your home to breathe

- Saves up to 50% from your heating and cooling costs.
- It is 100% natural and it is not harmful to the environment and human health .
- It has high water vapor permeability.
- It is a new generation ecological insulation system and provides heat, water and sound insulation with a single product.
- As it is not heavy, it reduces the building load.
- It allows you to make sheathing with a single product
  Easy to apply and this helps you to save labor costs, maximize efficiency
- It has high elasticity
- It does not crack.

Application Instructions

Surface Quality: Surfaces should be clean, smooth, free from all kinds of dust, oil, dirt, rust, mould oil, detergents, etc. Weak Parts on the surface should be removed.
Surface Preparation: If there is any defects, cracks, etc. that require repair on the application surface, it should be repaired before the application. Styronit Compact Primer should cover the application surface 100% and be completely dry.
. It is applied directly to surfaces such as brick, aerated concrete blocks and Bims block.
Mixing: Adjust the required water amount according to the weather conditions. The required amount of water is put into a clean mixing bucket with the help of a scale (For 12 kg kraft bag, approximately the required water is 6-7,5lt). Add TEKNOREP 570 slowly and mix for approximately 4 minutes with a low speed mixer with 400-500 rpm until the mixture is free from pellets. The prepared mortar is applied to the previously moistened surface with a trowel. For the applications for more than one layer, each layer should be applied with a thickness of maximum 2 cm and each layer should be applied after the previous layer has hardened. The previous layer should be moistened before the new layer is applied. It can be applied by hand trowel or machine in large areas.

Application Notes / Restrictions

* Application should not be done under the direct sunlight, frost, while raining and strong blowing of the wind. Also it should be It should be Protected from rain, frost, strong wind and direct sunlight after the application.
*Operating and reaction times of Teknorep 570 are affected from environment and surface temperature as well as the relative humidity in the air.
The reaction slows down at low temperatures and high temperatures speed up the reaction thereby cold water should be used in hot weather conditions and hot water should be used in cold weather conditions.

- Wear protective clothing, gloves and eye protection.

*Hands should be cleaned with water before it is fully cured

- Do not apply at temperatures below +5°C nor above +35°C
- Just after the application, the tools and equipment used should be cleaned by water.
- Teknorep 570 can be cleaned from the surface only mechanically after hardening.

Technical Data

General information	
Material Structure	White / Granular
Product Description	light coarse/fine plaster mortar (LW)
Shelf Life	12 months in dry environment in unopened packaging.
Package	12 kg kraft bag
Application Information	
Implementation Process	Min. 30 min.
Application Ground Temperature	(+5˚C) - (+35˚C)
Average Grain Size	≤ 2 mm
Application Thickness	For each layer 1 - 2 cm
Performance Information	
Dry Bulk Density (TS EN 1015-10)	800 ± 100 kg/m³
Compressive Strength (TS EN 1015-11)	CSII, (1,5-5,0 N/mm²)
Bond Strength (TS EN 1015-12)	≥ 0,30 N/mm² (FP:B)
Capillary Water Absorption (TS EN 1015-18)	W1, <0,40 kg/m² min
Vapor Diffusion (TS EN 1015-19	<15 μ (5-6)
Thermal Conductivity (EN 1745)	0,18 (p:%50 λ10 dry) W/m.k (value A.12)
Mortar Density (kg/lt)	1,17
Reaction to Fire (TS EN 13501-1	A1

Typical values were obtained as a result of experiments at + 20 ° C, 50% relative humidity conditions.