

Teknodeko

Mineral, Decorative Render (Grain, 2 mm)



Public Pos. No: 04.476/D

Product Description

It is white cement based, one-component, polymer modified and water-repellent top coat material used on plaster of buildings' external wall and heat insulation system.

Areas of Usage

- At residences, shopping centers and hospitals,
- For horizontal, vertical and overhead applications,
- On all kinds of mineral surfaces,
- As decorative coating on facade heat insulation systems,
- As decorative coating on aerated concrete at inner and outer spaces.

Features and Benefits

- It is easy to apply and give shape.
- It demonstrates high resistance to all kinds of climate conditions.
- It is resistant against outer weather conditions and water-repellent. It prevents humidity accumulation.
- It removes the surface defects.
- It is durable, inflammable, and does not roughen.
- It provides a homogeneous decorative appearance after application.
- It clears the steel trowel tracks on the plaster due to its texture.
- It can be painted by house paints.

Application Instructions

Surface Quality: The surfaces must be clean, smooth, solid and free of substances and residuals preventing adhesion such as all kinds of dust, grease, rust, molding oil, and detergents, etc. The surfaces must be smooth, the weak parts must be removed. If there are cracks, pits on the surfaces or walls which the applications shall be made, they must be repaired with appropriate TEKNOREP repairing mortars.

Surface Preparation: It is recommended to apply TEKNOLATEX 400 as decorative plaster primer before the application in hot weathers. TEKNODEKO is added into clean and cold water gradually and stirred approximately for 10 min. with a low speed mixer until the mixture becomes smooth. The stirred mixture is rested for 5 min. and stirred again. If necessary, the consistency of the mixture is readjusted by adding water. The required water amount should be adjusted according to the weather conditions. Attention should be given to ensuring that the particles in the product not to be corroded when stirring with machine. Equal amount of water should be used for each lot of mortar mixture. Otherwise, pattern and tone differences may occur on the surface. Prepared mixture should be used within 2 hours depending on the weather conditions. The homogenous mixture prepared is applied on the surface properly via steel trowel and excessive material is removed from the surface in order to obtain a layer with a thickness as of the particles in the product. The pattern should be given within 10 min. at the latest after TEKNODEKO is applied homogeneously on the application surface. The pattern is given by cyclical movements with the aid of plastic or polyurethane trowel in order to obtain fine particle texture. The surface of the trowel must be scratched frequently when giving pattern. The products with same burden numbers should be used on same surfaces. Attention should be given to employ in sufficient number of persons, to apply the material continuously and without interruption until reaching to the jointing ends or detail corners so that there is not any overlapping on the large surfaces.

Application Notes / Restrictions

- The hardened material should not be used by adding water into it.
- Paint primer must be used necessarily for dark color applications.
- Both for increasing the resistance of TEKNODEKO against pollution and external effects and for preventing the applications which tone diversity occurs due to various reasons, all coating surface must be painted by 2-coat paint.
- Paint consumption changes according to the pattern. The color should be checked before the application. The materials should be purchased depending on the needs.
- Product may irritate the skin in case of contact. Work clothes, protective gloves, mask and goggles should be used. Before starting to work, protective cream may be put on hands. In case the mortar contacts with eyes, eyes should be washed immediately with warm water, and medical advice should be get.
- It should be protected, covered with nylon or exposure of the product to frost should be prevented by applying insulating board plates under environment conditions to be below +5°C.
- It should be protected, covered with nylon or exposure of the product to sudden dehydration should be prevented by applying heat insulation board plates under temperatures over +30°C.
- Do not add foreign substances.
- 6,0 – 7,0 liters of clean and clear water at normal ambient temperature is added into a clean pot purged from all materials that could prevent adhesion. TEKNODEKO in the 25 kg. bag in powder form, is emptied in the pot filled with water. It is stirred with a low-speed mixer until a smooth and homogeneous appearance is obtained. Mixture period must be minimum 5 min. The mortar obtained at the end of the process should be rested for 3 m., and stirred again for 2 m until it becomes homogenous.
- The mixture prepared is applied on the surface properly via steel trowel. The pattern should be given within 5 minutes after TEKNODEKO is applied homogenously on the surface by cyclical movements with flat plastic trowel. The surface of the plastic trowel must be cleaned frequently when giving pattern.
- It should not be applied under direct sunlight, in strong wind, fog, at high relative humidity rates or during heavy rains. The application performed should be taken under protection against heating and intensive sunlight depending on various reasons until the entire drying period finishes.
- If desired, TEKNODEKO may be painted with house paint. It is recommended to wait for 7 days under normal conditions after the application for painting its cover.
- The equipment should be cleaned immediately after the application before it is hardened yet. They should be cleaned by mechanical methods after it is hardened.

Technical Data

| General Information | |
|---|---|
| Appearance | White |
| Shelf Life | 12 months in dry environment in its unopened package. |
| Package | 25 kg kraft bag |
| Application Information | |
| Application Temperature | (+5°C) – (+35°C) |
| Mixture Proportion | 6 – 7 l water / 25 kg powder |
| Application Thickness | ~ 2 mm |
| Performance Information | |
| Particle Size (TS EN ISO 15 2 4, TS EN ISO 787-7) | Class S4 |
| Water Vapor Transfer Speed (TS EN ISO 7783) | Class V1 |
| Water Transfer Speed (TS EN 106 2 –3) | Class W1 |
| Impact esistance (EN 13497) | > 2 joule |
| Dry Film Thickness (TS EN 1062-1) | Sınıf E 5 |
| Crack Bridging (TS EN 1062-7) | Sınıf A0 |
| Carbon Dioxide Permeability (TS EN 1062-6) | Sınıf C0 |
| Reaction to Fire (TS EN 13501-1) | A1 |

Consumption Table

| Teknodeko | Mixture Density (kg / l) | 1 m² Powder Consumption (kg) | Amount of Mixture Water (l) |
|------------------|-------------------------------------|--|--|
| 25 kg kraft bag | ~1,60 | 2,4 – 2,8 | 6 – 7 |

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.

