

Chelfix Deco

Cement Based, Water-repellent, Mineral,
Decorative Render (Grain, 2 mm)



Product Description

It is cement based, polymer modified, water repellent, ready to use surface coating material which is very resistant to outdoor weather conditions because of its breathing feature thanks to its steam permeability and which can be painted after. It is dried and which provides a decorative appearance due to its special filling dimension.

Areas of Application

It is used as final layer coating on exterior thermal sheathing systems and cement plaster or as decorative coating on interior - exterior walls.
At residences, shopping centers and hospitals.
For horizontal, vertical and overhead applications.

Advantages

- Shrinkage controlled polymer modified structural decorative plaster.
- Single component, easy to apply and give shape.
- Water repellent, does not affected from water.
- It demonstrates high resistance to all kinds of climate conditions.
- Suitable for internal and external applications.
- Resistant against external impacts and frost.
- Has very good adherence and high resistance.
- It is durable, inflammable, and does not roughen.
- Can be painted after it is dried.
- Has a breathing feature thanks to its steam permeability.
- Consistent colors.
- Cost effective, hand applied no formwork is required.

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 repairing mortars.

Surface Preparation: it is recommended to apply decorative plaster primer before the application in hot weathers. Chelfix Deco 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 Chelfix 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.
- Both for increasing the resistance of Chelfix Dco against pollution and external effects and for preventing the applications which tane 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 +35°C.
- 6.0 – 6.5 liters of clean and clear water at normal ambient temperature is added into a clean pot purged from all materials that could prevent adhesion. Chelfix Deco 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 Chelfix 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, Chelfix Deco 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.

Consumption Information

Chelfix Deco	Mixture Density (kg/Litr)	1 m ² Powder Consumption (kg)	Amount of Mixture Water (Litr)
25 Kg kraft bag	~1.60	2.4 – 2.8	6.0 – 6.5

Technical Data

Powder Color	White (It may be manufactured in different colors upon order)
Application Temperature	(+5°C) - (+40 °C)
Mixture Proportion	6.0 – 6.5 litr water / 25 kg powder
Application Thickness	< 2mm
Particle Size	Class S4
Water Vapor Transfer Speed	Class V1
Water Transfer Speed	Class W3
Impact esistance (EN 13497)	> 2 joule
Reaction to Fire	A1

Packaging

Chelfix Deco is available in 25 kg bags.

Storage

Chelfix Deco has a shelf life of 12 months from date of manufacture if stored in dry environment in its unopened package.