

Mineral Finish Coat - K

Mineral Finish Coat – K is a factory produced mineral-based, high quality finish coat render, specially designed for hand and machine application to EN 998-1 2016. It's manufactured from a controlled blend of the purest white calcium hydrate, white cement and selected aggregates, to give a high quality rendering product which is suitable for use in external rendering and internal plastering. Grain sizes available are 1.5, 2 and 3mm in order to achieve a fine, medium or course (rough cast) texture.

Benefits

- Finish for lightweight base coats
- Thin coat application – Fast Track
- Ease of application
- Weather Resistant
- High Yield – Economical
- CE Marked
- EN 998-1:2016

Field of Application

Application of a finish coat onto mineral substrates such as renders and pre-cast concrete.

Substrate

Substrates to be rendered should be examined for contamination, deterioration, surface roughness, suction and strength. Dust and contamination such as residues of concrete release agents, gypsum plaster, paint, other coatings, organic growth, salts and efflorescence should be removed prior to rendering. Salts and efflorescence should be removed by dry brushing (non-metallic bristles). Other special precautions may need to be taken if this removal is not achievable. The line and flatness of the substrate should also be assessed to determine if the render can be applied to a uniform thickness or if dubbing out is required. The substrate should be reasonably dry and free of frost, with a temperature of +5 °C or above at the time of rendering. It is important for the wall not to be too wet at the time of rendering. Walls that have recently been exposed to heavy rain should be allowed to dry out sufficiently before rendering is attempted.

Preparation

Mineral Finish Coat – K should only be applied to mature stable surfaces. A minimum of one month should be allowed following completion of the wall construction before application of the render commences. In slow drying situations a longer interval should be allowed. All substrates must be clean, sound and dust free as the render relies on a combination of suction and surface texture to achieve bond. The recommendations set out in EN 13914-1:2016 and BS 5262:1991 should be followed. It is essential that all steps are taken to ensure that a satisfactory bond is achieved between the render and the substrate. Substrates should be primed prior to application of the render using primer.

Mixing

Add 6.5 L of clean water per 25kg bag. Mix with a heavy duty drill and paddle or with a suitable continuous mixer/pump for 1-2 minutes until a lump-free consistency is achieved. Do not mix in any other products. Excess water will cause a loss of strength. Allow the mix to mature for ten minutes then re-mix before application. Depending on site conditions, the processing time is approx. 40 - 50 mins.

Application

During application the air and substrate temperature must be between 5 - 25°C. Apply Mineral Finish Coat - K to the thickness of the grain using a stainless steel plastering trowel. Finish the render using a plastic finishing trowel in circular motions until an even texture is achieved. Always maintain a wet edge when working in sections. In sunny conditions, work should commence on the shady side of the building and continued following the sun, to prevent the rendering drying out too rapidly.

Storage

9 months under dry, protected conditions.

Disposal Considerations

Waste treatment methods: Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. European waste catalogue 17 08 02. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.

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Safety

Classification according to Regulation (EC) No 1272/2008:
GHS05: Eye Dam. 1 H318 Causes serious eye damage.
GHS07: Skin Irrit. 2 H315 Causes skin irritation. Labelling according to Regulation (EC) No 1272/2008: **Hazard pictograms:** GHS05. **Signal word:** Danger. **Hazard-determining components of labelling:** calcium dihydroxide, Cement, portland, chemicals. All standard precautions for the handling of construction materials/chemicals must be taken. See CASEA Health and Safety Data Sheet for further detailed information.

Hazard Statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.


P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see SDS).

P362+P364 Take off contaminated clothing and wash it before reuse.

Technical Information

Yield	Grain Size: 1.5 mm approx. 2.4 kg/m ² 2 mm approx. 3 kg/m ² 3 mm approx. 4 kg/m ²
Water Demand	6.5 l per 25kg bag

	CASEA GmbH Pontelstraße 3 99755 Ellrich Germany
12 CASEA-117 150 EN 998-1: 2016 Coloured rendering mortar CR Rendering of ceilings and walls inside buildings	
Reaction to fire	A1
Compressive strength	CS II
Capillary water absorption	W2
Water vapour permeability coefficient	$\mu \leq 20$
Adhesion	$\geq 0.08 \text{ N/mm}^2$ FP: A, B or C
Thermal conductivity (Tabulated value)	$\lambda_{10, \text{dry,mat}} \leq 0.69 \text{ W/(mK)}$ @ P=50% $\lambda_{10, \text{dry,mat}} \leq 0.83 \text{ W/(mK)}$ @ P=90%
Durability	NPD
Dangerous Substances	NPD

*NPD = No Performance Determined

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