

CASEA Klimafeinputz KFP - Breathable Fine Finishing Plaster

CASEA Klimafeinputz KFP is a special white, mineral fine plaster CS I - according to EN 998-1, suitable for indoor use. KFP can be applied onto all common base coats such as; lime-cement, cement, gypsum, gypsum-lime, gypsum-lime-clay and clay plastering renders, as well as onto plaster boards. The product's special composition, consisting of clay, fine white lime, fractional sands, marble powder and CASUL® white pigment, allows the product to breathe and provides high level of protection against micro-organism growth. It also permits constant hygrometric exchange between the substrate and the environment. In order to facilitate maximum breathability when painting, it is advised to use silicate, lime or clay based paints.

- High water vapour permeability (breathability)
- Hand or Machine Application
- High hygrometric exchange
- High protection against micro-organism growth
- Sustainable
- Smooth finish
- DIN EN 998-1:2010

Field Of Application

A mineral fine plaster for walls constructed out of low, medium and high density blockwork and any other masonry substrate. Finish skim coat for final finishing of CASEA Bauprotec renders and plasters where a smooth finish is required. The product's special composition allows the product to breathe and also permits constant hygrometric exchange between the substrate and the environment.

Substrate

Substrates to be plastered should be examined for contamination, deterioration, surface roughness, suction and strength. Dust and contamination such as residues of concrete release agents, paint, other coatings, organic growth, salts and efflorescence should be removed prior to plastering. 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 must 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 plastering. It is important for the wall not to be too wet at the time of plastering.

Preparation

CASEA Klimafeinputz KFP should only be applied to mature stable surfaces. 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- 1:2005 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 plaster and the substrate. High suction backgrounds should be primed or pre-dampened. Contact the team at SMET for suitable primers.

Instructions

CASEA Klimafeinputz KFP can be applied by hand or using all suitable spray plastering machine. When hand applied, thoroughly stir the contents of the tub. If necessary the consistency may be adjusted by adding up to 5% clean drinking water. Do not mix in other products. Application thickness should be minimum 1mm and not exceed 5mm. When the plaster is partially set, finish to a smooth finish using a steel float and spatula. The open time, after mixing, is approximately one hour. However, the open time greatly depends on the consistency of the render, the ambient temperature and the absorbency of the substrate. Final polishing may occur the next day.

Application

During application the temperature must be between 5 - 30°C. Bead out the application area with stainless steel, aluminium or galvanised beading, which also serves as a reference for the thickness applied. Always maintain a wet edge when working in sections. Protect plastered surfaces from unfavourable weather conditions (strong sunlight, wind, drafts, driving rain, frost, etc.)

Practical Advice

Due to the high lime content of the product, site conditions and finishing technique, the finished plaster may show 'cloud formation'. This lime bloom does not constitute a defect and may be painted over using a suitable paint.

Storage

18 months in original containers in cool, dry, frost-free conditions. Product must not be stored in temps above 30°C. Note: Pallets are not stackable!

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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.

Safety

Classification of the substance or mixture. Classification according to Regulation (EC) No 1272/2008. Caution: Contains calcium dihydroxide. GHS05, GHS07. Signal word: Danger. 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 on this label).

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

Technical Information

Compressive Strength	CS I
Density	< 1.4 kg/l
Yield	Approx. 10m ² per 25 kg bucket at 1.5 mm thickness
Consumption	Approx. 2.5 kg/ m ²
Grain Size	0-1 mm
Packaging	25 kg Bucket



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EN 998-1: 2010
Finish Plaster CR
Plastering of ceilings and walls inside of buildings

Reaction to fire	A1
Compressive strength	CS I
Capillary Water Absorbtion	W0
Water Vapour Permeability coefficient	$\mu \leq 10$
Adhesion	$\geq 0.08 \text{ N/mm}^2 \text{ FP: A}$
Thermal Conductivity (Tabulated value)	$\lambda_{10, \text{dry,mat}} \leq 0.45 \text{ W/(mK)} @ P=50\%$ $\lambda_{10, \text{dry,mat}} \leq 0.49 \text{ W/(mK)} @ P=90\%$
Durability	NPD
Dangerous Substances	NPD

NPD Properties not determined as they are not relevant (No Performance Determined)

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