

CASEA Bauprocalc KG – Hydraulic Lime Based Skim Coat

CASEA Bauprocalc KG is a factory produced hydraulic hardening skim coat plaster based on lime, specially designed for hand and machine application produced to DIN EN 998-1: 2003. It is manufactured from a controlled blend of selected aggregates, hydraulic and building lime to EN 459-1 and other components to give a high quality rendering product which is suitable for use in internal plastering. The unique properties of this render make it suitable for application on low, medium and high density substrates, for renovation of old and listed building and ecological new builds.

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

Field Of Application

A hydraulic hardening skim coat plaster based on lime for walls constructed out of low, medium and high density blockwork and any other masonry substrate. Finish Skim Coat for final finishing 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, gypsum plaster, 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 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 plastering. It is important for the wall not to be too wet at the time of plastering.

Preparation

CASEA Bauprocalc KG 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 plaster 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- 1:2005 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.

Instructions

CASEA Bauprocalc KG can be applied using all suitable spray rendering machines (e.g. G4, G5, m3, S48, MP25, SP11) and can be transported on all pneumatic conveyor systems. When hand applied, mix for 5 minutes using a suitable electric mixer. In case of great unevenness in the substrate (e.g. rough stone masonry) the recesses require dubbing out using CASEA Bauprocalc 830. When the plaster is partially set, finish to a smooth finish using a steel float and spatula. The open time, after mixing, is approximately two and a half hours. 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. Beads need to be carefully bedded in CASEA Bauprocalc KG. Always maintain a wet edge when working in sections.

Practical Advice

We recommend the use of a primer containing aggregates (Casuprim HB) on concrete and smooth / non-absorbent substrates (plaster board) prior to the application of CASEA Bauprocalc KG. For application onto absorbant substrates, we recommend UNI-PRIMER Universal Primer. Contact SMET technical team for advice.

Storage

9 months under dry protected conditions in original unopened packaging.

Disposal Considerations

13.1 Waste treatment methods. Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

Safety

Classification according to Regulation (EC) No 1272/2008. The product is classified and labelled according to the CLP regulation. Hazard pictograms: **GHS05 GHS07**. 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 label before use.
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).
P332+P313 If skin irritation occurs: Get medical advice/attention.

Technical Information

Standard	CS I as per DIN EN 998-1
Compressive Strength	≤ 2.0 N/mm ²
Adhesion	≥ 0.08 N/mm ²
Yield as per standard	approx. 900 l/t approx. 300 m ² at 3 mm layer thickness approx. 18 m ² per 20 kg bag at 1mm thickness approx. 6 m ² per 20 kg bag at 3mm thickness
Consumption	approx. 1.1 kg/m ² applied thickness
Water requirement	approx. 11 l per 20 kg bag
Grain structure	0 – 0.1 mm
Water vapour permeability coefficient	μ ≤ 10
Reaction to fire	Building material class A1, non-combustible
Packaging	20 kg bag

 <p>CASEA GmbH Pontelstrasse 3, 99755 Ellrich, Germany 10 CASEA-114 761</p>	
<p>EN 998-1: 2010 Normal Plaster Mortar CR Plastering of ceilings and walls within buildings</p>	
Reaction to fire	A1
Compressive Strength	CS I
Capillary Water Absorption	W0
Water vapour permeability coefficient	μ ≤ 10
Adhesion	≥ 0.08 N/mm ² FP: A, B or C
Thermal Conductivity (Tabulated Value)	λ _{10, dry, mat} ≤ 0.39 W/(mK) @ P=50% λ _{10, dry, mat} ≤ 0.43 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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