CASEA Bauprotec RHS - Multi Purpose Render

Bauprotec RHS is a factory produced highly polymer modified render specially designed for hand and machine application produced to EN 998-1: 2016. It's manufactured from a controlled blend of selected aggregates, cement, polymers and other components to give a high quality weather resistant rendering product which is suitable for use in external rendering and internal plastering. The unique properties of this render makes it suitable for multi purposes such as adhesive bridge/key coat on difficult substrates, adhesive and fibreglass reinforcement base coat on insulation and cement particle boards.

- Multi Purpose
- Excellent Adhesion and Flexibility
- Machine or Hand Application
- High Yield
- Weather Resistant
- CE Marked
- EN 998-1:2016

Field Of Application

A highly polymer modified render for facades and walls constructed with smooth and low absorbent materials. Adhesive and base coat on insulation and cement particle boards. The product's special composition allows the product to breathe and permits constant hygrometric exchange between the substrate and the environment.

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's important that the wall should 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

Bauprotec RHS 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 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.

Instructions

Bauprotec RHS can be applied using all suitable spray rendering machines: G4, G5, m3, S48, MP25 or 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. Do not mix in any other products.

When used as an adhesive bridge or key coat, apply 3-5mm thick and comb using a notched trowel or serated straight edge. When used as a fibre glass reinforcement coat, apply first a coat of 2-3mm, install mesh overlapping 100mm at the edges and trowel into the coat using a steel trowel. Apply second (levelling) coat of 2-3mm and finish using a steel float or spatula and rub smooth. The open time, after mixing, is approximately two hours. However, the open time greatly depends on the consistency of the render, the ambient temperature and the absorbency of the substrate.

Application

During application the temperature must be between 5-25˚C. In sunny weather, work should commence on the shady side of the building and be continued, following the sun to prevent the rendering drying out too rapidly. Protect newly rendered surfaces against direct sunlight, driving rain , wind and cold.

Practical Advice

Fibreglass mesh must be embedded into the render when applied on insulation and cement paricle boards, in case of changes in substrate material and at stress points around openings.

CASEA Bauprotec RHS - Multi Purpose Render

Storage

9 months under dry, protected conditions.

Disposal Considerations

13.1 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 according to Regulation (EC) No 1272/2008: **GHS05** corrosion, Eye Dam. 1 H318 Causes serious eye damage. **GHS07,** Skin Irrit. 2 H315 Causes skin irritation. Labelling according to Regulation (EC) No 1272/2008. The product is classified and labelled according to the CLP regulation: **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.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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.

CASEA Bauprotec RHS - Multi Purpose Render

Technical Information

Standard	CS III as per EN 998
Compressive Strength	Approx. 6.0 N/mm^2
Adhesion	≥ 0.08 N/mm^2 FP A, B or C
Yield as per standard	Approx. 1.40 kg/mm/m^2
Water Demand	Approx. 6 l per bag of 25 kg
Grain Size	0-1 mm
Water Vapour Permeability Coefficient	μ ≤ 25
Reaction To Fire	building material class A 1, non-combustible
Packaging	25 kg Bags

CE

CASEA GmbH
Pontelstraße 3
99755 Ellrich
Germany

10
CASEA-114 740
DIN EN 998-1:2016
Normal plaster mortar GP
Plastering of ceilings and walls inside and outside of buildings

Reaction to fire	A1
Compressive strength	CS III
Capillary Water absorption	W2
Water vapour permeability coefficient	μ ≤ 25
Adhesion	≥ 0.08 N/mm^2 FP A,B or C
Thermal conductivity (Tabular value)	λ10, dry,mat ≤ 0.39 W/(mK) at P=50% λ10, dry,mat ≤ 0.43 W/(mK) at P=90%
Durability	NPD*
Dangerous Substances	NPD*

*NPD = No Performance Determined

CASEA
WORKING FOR THE FUTURE

93A Belfast Road I Newry I BT34 1QH I Northern Ireland
T: +44 (0)28 3026 6833 ROI: +353 (0) 1697 8586
E: info@smetbuildingproducts.com
smetbuildingproducts.com or smet.ie