

CASEA Casutec WS - Fine Gypsum Machine Finish Plaster

CASEA Casutec WS is a factory produced lightweight gypsum plaster, specially designed for hand and machine application produced to EN 13279. It is manufactured from a controlled blend of pure white gypsum and other components to give a high quality skim plaster product, suitable for use in internal plastering. The unique properties of this plaster make it suitable for smooth finish application onto blockwork, brickwork, cement or gypsum based base coats and plaster boards.

- Pure White
- Machine or Hand Application
- High Yield
- CE Marked
- EN 13279

Field Of Application

A lightweight very white skim plaster for walls constructed out of low, medium and high density blockwork, any other masonry substrate, cement or gypsum based base coats and plaster boards. The products special composition allows the product to be finished smooth and is suitable to receive subsequent coatings of paint and wallpaper.

Substrate

Casutec WS can be applied on old render, all types of masonry, concrete and plaster and render base coats. The substrate must be dry, clean, stable and free from release agents, paints and any other contamination. The residual moisture content of concrete must be below 3% CM for application. Substrates with very low suction/absorbtion, i.e. pre-cast or smooth insitu concrete should be primed with Casuprim HB as directed. Substrates with very high suction/absorbtion should be primed with Casuprim AS as directed.

Preparation

CASEA Casutec WS 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 plaster 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.

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Instructions

Casutec WS can be applied using all suitable spray rendering machines, e.g. G4, G5, m3, S48 or MP25 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. In order to achieve a very smooth finish, dampen the plaster when hardened using a brush and smooth over again. The open time after mixing is approx 80 minutes, however this depends on the consistency of the plaster, ambient temperature and absorbency of the substrate. During application the temperature must be between 5-35°C. Do not mix in any other materials. Process the mixed mortar quickly and do not use hardened material.

Practical Advice

Fibreglass mesh or tape must be used on joints of plaster board and in case of changes in substrate material. Do not add any other substances to the plaster mix. Only use clean containers and tools, since the curing behaviour of the mortar is influenced significantly by gypsum residues. Please contact the SMET team for advice on any other special substrates. All relevant standards, guidelines and recommendations apply; workmanship must comply with good practice.

Storage

6 months under dry, protected conditions in original unopened packaging.

Disposal Considerations


Waste treatment methods. Recommendation: Smaller quantities can be disposed of with household waste. 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. The substance is not classified according to the CLP regulation. Labelling according to Regulation (EC) No 1272/2008 Void. Hazard pictograms Void. Signal word Void. Hazard statements Void. All standard precautions for the handling of construction materials/chemicals must be taken. See CASEA Health and Safety Data Sheet for further detailed information.

Technical Information

Standard	Gypsum surface filler C7 as per EN 13279
Compressive Strength	$\geq 3.0 \text{ N/mm}^2$
Flexural Strength	$\geq 2.0 \text{ N/mm}^2$
Yield as per standard	approx. 1200 l/t approx. 1.2 l/kg
Consumption	approx. 0.85 kg/m ² each 1 mm layer thickness
Water Demand	approx. 13 l per 20kg bag
Thermal conductivity (tabular value)	$\lambda_R = 0.35 \text{ W/mK}$
Water Vapour Permeability Coefficient	$\mu < 8$
Reaction To Fire	building material class A 1, non-combustible
Packaging	20 kg bag

	<p>CASEA GmbH Pontelstraße 3 99755 Ellrich Germany 09 CASEA-114 200</p>
<p>Gypsum plaster dry mortar C7 EN 13279-1: 2008 Plastering surfaces within buildings</p>	
Reaction to fire	A1
Thermal conduction resistance	NPD*
Airborne sound insulation	NPD*
Dangerous substances	NPD*

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

CASEA
WORKING FOR THE FUTURE

FOR MORE INFORMATION CONTACT: Smet Building Products Ltd

93A Belfast Road | Newry | BT34 1QH | Northern Ireland

T: +44 (0)28 3026 6833 ROI: +353 (0) 1697 8586

E: info@smetbuildingproducts.com

smetbuildingproducts.com or smet.ie