

# ECMAS WALLPLUS

## WATERPROOF BREATHABLE DRYING PLASTER FOR INTERNAL/EXTERNAL WALLS

### Description

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**ECMAS WALLPLUS** is a ready-mix plaster which is 100% waterproof against monsoons and wind driven rains. WALLPLUS is produced industrially using various ingredients in a pre-determined proportion. WBD Component is a key component that ensures waterproof characteristic of the product. It is an innovative product produced from natural minerals and does not contain any harmful or inflammable ingredients making it environment friendly.

### Advantages

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- 100% Waterproof plaster
- Breathable – Air and Vapor permeable allowing entrapped moisture to evaporate fast
- UV resistant
- It is possible to apply to wet surfaces
- Prevention against rising dampness and efflorescence.
- It can be applied manually (trowel) or with a spray applicator
- Excellent cohesiveness and compactness
- No bituminous or toxic ingredients
- Frost-resistance and sulfate-proof
- Excellent mechanical characteristics and finish

### Areas of Application

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- EXTERIOR/INTERIOR plastering of buildings, houses, facades, balconies, walls, fences
- Plastering of EXTERIOR/INTERIOR parts of soffits, cornices, chimneys
- Permanent EXTERIOR/INTERIOR renovation or patching of walls

### Installation Guidelines

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**Surface Preparation:** Before applying **ECMAS WALLPLUS**, it is important to remove all existing plaster, stucco, loose particles, residual paint, oil, rust, dust, and other impurities. Defective wall elements, such as damaged bricks, should be repaired or replaced. If used as a repair mortar, the old plaster should be removed 30-40 inches (800-1000 mm) above the boundary of water incursion. If salt efflorescence is present, jointing must be raked to a depth of 20 mm. The wall surface should be thoroughly cleaned with suitable equipment such as high-pressure air, water, or wire brush. Water absorbent surfaces should be well moistened with water before application. To maximize cohesion a thin mixture of cement and water should be spattered onto the surface before plastering. In cases of water leaking onto the plastered surface, it is important to ensure that the leakage is stopped for at least 72 hours or more, if possible, to ensure the proper setting of the plaster.

Note- If there is any doubt about surface suitability before plastering, always test small area first



**Mixing:** To a 25 kg bag of **ECMAS WALLPLUS**, approximately 3.75 to 4.50 liters of water is added in a gravity mixer. Mix or stir for 7-10 min. Mixed material has a pot life of 3 hours. It is recommended to use electrically powered mixing tool, due to hydrophobic abilities of the plaster.

## **DO NOT ADD ANYTHING INTO MIXED COMPOSITION!**

### **Applying ECMAS WALLPLUS**

The plaster is laid on the prepared surface manually with a smoother or with a spray applicator (commonly used method). The minimum thickness of one layer should be 10mm; with a maximum of 3 layers (30mm) can be laid. It is necessary to slightly rough up the surface before application of the next layer.

**Care After Application:** It is necessary to prevent the applied plaster from drying too fast since the optimal moistness enables permanent hydration of cement materials and minimization of cracking. When the last layer is laid on it is important to keep the surface permanently wet for 2 days. Upon curing, the surface can be painted or tiles can be laid.

### **Safety & Precautions**

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Wear all PPE's at the time of Application like Safety boot, Safety Goggles, Hand Gloves, Mask, etc. and avoid contact with Skin and Eyes. Any direct skin contamination should be washed off immediately with soap and water.

### **Technical Specification**

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Appearance/Color	Powder / Grey
Chemical Base	Sand, Cement, Proprietary WBD component
Density	1450 kg/m <sup>3</sup> +/- 50kg
Layer Thickness	One layer of 10mm Maximum 3 layers in total thickness of 30mm
Coverage	2.08 Sqm/bag @ thickness 10 mm
Packaging	25 kg bag
Shelf-life	9 months when stored in dry condition
Maximum depth of water penetration into hardened plaster	≤ 5mm
Diffuse resistance of water vapor, coefficient	12.36

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