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LIME



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Makers of

ecologic®
Brand
Mortar & Plaster
For Historic Restoration
and Green Building

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Ecologic™ PLASTER TOPCOAT™ Xtra Fine (XF) Exterior

Ecologic™ PLASTER TOPCOAT™, Xtra Fine-sanded Grade (XF) Exterior is a prepared blend of binder and extra fine aggregates ready to just add water, mix, and go to work for use on historic or new buildings. Ecologic™ PLASTER TOPCOAT™, Xtra Fine (XF) Exterior is a final finish coat of external or internal lime plaster and is an environmentally friendly product free of all damaging Portland cement, potentially toxic ground granulated blast furnace slag (GGBS), fly ash, or expanding gypsum sometimes found in substandard hydraulic lime and gypsum plaster that is on the market. Ecologic™ PLASTER TOPCOAT™ Xtra Fine (XF) Exterior gives an ancient "Old World" extra fine-sanded lime plaster finish which is both durable and healthy to live with. Applications requiring Xtra Fine (XF) PLASTER TOPCOAT™ can be **custom color blended**.

Benefits:

A pre-blended material with aggregates already added ensures high quality control to create a durable and traditional finish lime plaster reducing the temptation to add white Portland cement or other additives. Ecologic™ PLASTER TOPCOAT™ Xtra Fine (XF) Exterior also maintains a high vapor permeability. This is required for maintaining optimal breathability in the whole Ecologic™ PLASTER SYSTEM when used over Ecologic™ base coats first installed which consist of any appropriate combination of TAKCOAT™ Platinum, coarse-sanded grade (G) or fine-sanded grade (F) plaster to prepare the surface in order to receive the Ecologic™ PLASTER TOPCOAT™ Xtra Fine (XF) Exterior as the final finish.

Eco-friendly Characteristics:

- High vapor exchange qualities

- 80% less carbon emissions for a lower carbon footprint with Saint-Astier® NHL rather than Portland cement
- Re-absorption of CO2 in curing
- Naturally resists biological growth
- Accommodates slight building movement

General Application:

Obtain a high-torque industrial electric drill and a rigid paddle attachment and a plastic five-gallon pail or use a mason's paddle-style mortar mixer. Mist the substrate or any previous lime application with clean water immediately before a new application but only as a slight dampening to control absorption. No standing water should remain before installing a new application. If substrate is retaining inordinate amounts of moisture due to rising damp, bad flashing, or moisture from a chimney cavity, this must be corrected before new work begins. ASTM has reports on normal absorption rates for most building materials not explicitly covered by individual manufacturers.

Suitable Surfaces to Install this Finish Plaster:

Substrates that Ecologic™ PLASTER TOPCOAT™, Xtra Fine (XF) Exterior is used appropriately on to create an extra smooth lime plaster finish include:

1. Over top of a flattened-out and cured base coat of Ecologic™ TAKCOAT™ Platinum or over successive base coats of either Ecologic™ Mortar (G or F) or Ecologic™ TOPCOAT™ Platinum (G or F) which is used either directly on raw brick or stone or over non-rusting lath for interior or exterior applications. This finish material must go on in a consistent thickness on a perfectly flattened substrate in a uniform thickness of 1/8" or less to control cracking. It must be installed using a high-grade

stainless-steel trowel to avoid black burn marks in the finish.

Mixing:

Ecologic™ PLASTER TOPCOAT™ Xtra Fine (XF) Exterior must be mixed for three minutes with only clean, potable water. Start with one (1) gallon of water per bag and slowly add more water only until the mix contains the minimum amount of mixing water to become workable. Keep water ratios consistent between batches to ensure consistency in material performance and appearance. Judge workability only after three minutes of continuous mixing. 1/3 cup of Borax may be added per a gallon of mixing water to defend against the potential for mold growth in damp or humid environments. Within 24 hours of application rub closed any cracks that form. Do not apply at temperatures below 40°F (4°C) or above 85°F (29°C). It is suggested to provide a humidifier in any hot/dry interior space during the curing period, or to cover with soaked burlap bags misting approximately three times daily for the first 72 hours for exterior applications.

Storage:

Materials must be stored and handled to protect them from damage and moisture in accordance with Manufacturer's instructions. Shelf life is 24 months if kept sealed and away from moisture.

Disposal: Sweep bulk material into containers and dispose of in a landfill in accordance with all local, state and federal regulations. The cured product is non-hazardous.

Working Time: 2-3 hours or longer based on good pre-damping of the substrate.

Cure time: 72 hour initial cure – 28 day full cure

Material Weight: 38.5 lbs

Average Coverage:

Plaster final coat using *Ecologic™ PLASTER TOPCOAT™ Xtra Fine (XF) Exterior* is 75 sq ft @ 1/16 of an inch per bag

(It can be spray delivered and then hand finished using a stainless-steel trowel- See QR Code on bag)

Safety:

Wear adequate protective clothing to avoid prolonged contact with the mortar. To avoid dust contact with eyes and possible inhalation wear glasses and the appropriate dusk mask especially in areas not properly ventilated.

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