

deGruchy's

LIME



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Makers of



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## Ecologic™ PLASTER TOPCOAT™ *Platinum*\* Coarse-sanded Grade (G)

**Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G)** is a prepared blend of binder and aggregates for interior or exterior work where you just add water, mix and go to work. Use it on historic buildings or new buildings. Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) is diverse and can be used as the base coat placed directly over porous and stable raw masonry, or over non-rusting lath for framed walls or as the leveling "brown coat" in a three coat plaster/stucco system. It can also then be used as the final coarse textured topcoat as the name implies. Since Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) is composed of Hydraulic Lime and aggregates it serves universal purposes. **It can also be used as a general lime mortar to lay up masonry units and repoint historic brick and stone buildings** whether they receive a lime render over the masonry work or not. Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) is an environmentally friendly product that is free of all damaging Portland Cement, potentially poisonous Ground Granulated Blast Furnace Slag (GGBS), Fly ash or expanding gypsum sometimes found in substandard synthetic Hydraulic Lime or elastomeric mortars and stuccoes which are on the market. Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) gives an ancient "Old World" lime finish which is both durable and healthy to live with.

### **Benefits:**

Made in America! At LimeWorks.us the term \**Platinum* means that only 10% of all ingredients and/or labor is allowed to be sourced outside of the United States to manufacture the product. A pre-blended material with aggregates already added secures high quality control for achieving the final

properties of the mix design and reduces the temptation to add Portland cement which is otherwise customary when a cementitious Type N mortar is made with plain hydrated lime. Mixing can then take place on each level of scaffold using the drill mixer so that no excess sand piles or other bags of material have to be stored on site. **NO Portland Cement is needed or present in Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) yet the stock material will still reach the required 750 p.s.i. required for a Type N mortar.** It is strong enough to build with but not too hard for historic work because it maintains a high permeability required for breathable lime mortar, plaster or stucco used to repair historic structures that were originally built with lime-based material. Due to the absence of Portland cement, Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) is inadvertently also immune to sulfates and salts and allows salts to get flushed from properly finished surfaces of this installed product over trapping salts.

### **Eco-friendly Characteristics:**

- High vapor exchange qualities
- 90% less carbon emissions from our Hydraulic lime binder than a Portland cement alternative for a lower carbon footprint
- Re-absorption of CO<sub>2</sub> in curing
- Naturally resists biological growth
- Accommodates slight building movement

### **Granulometry:**

Granulometry using US Standard Test, Sieve #16 (1.18mm) to #200 (0.075mm) Meets ASTM C-144 standards for sharp, well-graded sand.

### **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 substrates to apply this product include; Wood lath, non-rusting lath, raw brick, stone, block, strawbale, hempcrete and over cured, non-oily vertical concrete. *If a substrate is smooth and offers no mechanical keys, Ecologic™ PLASTER TAKCOAT Platinum can be used as the initial transitional coat installed before this product.*

### **Mixing:**

Ecologic™ PLASTER TOPCOAT™ *Platinum*, Coarse-sanded Grade (G) must be mixed for three minutes with only clean, potable water. Start with One 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 more greatly defend against potential of mold in damp or humid environments.

**ONLY USE LIMESWORKS.US ADDITIVES OR COLOR PACKS TO CHANGE COLOR OR MODIFY MATERIAL PROPERTIES.**

Wait a minimum of 4 days between stucco (render) coats under 1/2" thick per each coat. Double the wait time at 1" thickness on strawbale. Within 24 hours of application rub closed any cracks that form before the next coat is installed. Do not apply at temperatures below 40°F (4°C) or above 85°F (29°C). No driving rain should impact the work during application and curing time. During hot/dry weather protect from an uneven and excessive evaporation protecting it from direct sun. It is suggested to provide a humidifier in any hot/dry interior space during the curing period.

### **Aiding the curing of the installed material:**

Protect the work outside by using spring clamps to hold burlap or jute a few inches away from the work and not

in contact to avoid staining the work. Wet the work and the covers a few times a day for a three day curing period. Breathable fabric covers allow moisture to slowly escape encouraging a slow cure. Tarps could be used on the outside of the scaffold to protect from hot sun, driving rain and drying winds.

### **Painting over TOPCOAT™ Platinum**

Ecologic™ TOPCOAT™ Platinum should be allowed to cure for 3-5 days and appear evenly dry before priming with Ecologic™ Waterglass. Allow Ecologic™ Waterglass to cure for two days before finishing with either Ecologic™ Colorwash Stain or Ecologic™ Potassium Silicate Paint or Ecologic™ LimeWash Platinum. If planning to paint cured TOPCOAT™ Platinum with a linseed oil paint, latex, acrylic or emulsion-based paints wait 28 days for the Ecologic™ TOPCOAT™ Platinum to fully carbonate. Lesser breathable coatings will inhibit the plaster's ability to reach full carbonation as each type of a lesser breathable coating begins to reduce vapor escape as opposed to using a more compatible and recommended Ecologic™ mineral-based coating.

### **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.

**Re-Working Time: 24 hours**

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

**Bag Weight: 50 lbs    Average Coverage:**

**Stucco/Plaster 15 sq ft @ 3/8" of an inch thick (It can be spray applied- see QR Code on bag)**

**Repoint an average of 55 sq ft of standard brick joints @ 3/8" wide and 3/4" deep**

**Repoint an average of 20 sq ft of rubble stonework joints @ 1" wide and 1-1/4" deep (It can be**

**installed with automatic mortar pump- 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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**CONTACT: FOR MORE INFORMATION CALL 215-536-6706 or e-mail us at [info@LimeWorks.us](mailto:info@LimeWorks.us)**