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## Ecologic™ TAKCOAT™ Platinum

TAKCOAT Platinum™ is a formulated self-adhering lime plaster base coat designed to be installed on sound interior/exterior applications without the need for first priming a wall with any sanded or acrylic 'weld' primer or lath to create an excellent bond. Once the breathable TAKCOAT™ Platinum is cured for at least 18 hours it can be painted for interior applications with regular breathable latex or lime/mineral paints. Interior applications may receive Ecologic™ Plaster TOPCOAT™ placed over the cured TAKCOAT™ Platinum in any grade in order to create any coarse "sanded finishes or various "Venetian-style" finishes." Exterior applications of TAKCOAT™ Platinum should minimally receive lime/mineral paint or an exterior Ecologic™ Plaster Topcoat finished in any style as a shelter coat to wear over time. TAKCOAT™ Platinum consists of Hydraulic Lime, recycled glass aggregates and **NO VOC** additives. TAKCOAT™ Platinum is neutral white dry powdered plaster which is supplied in 50 lb units to which the mixing water is added on the job site.

### Benefits

The unique qualities of TAKCOAT™ Platinum allows it to be troweled at pudding-like consistency over any sound interior/exterior walls and flattened out. TAKCOAT™ Platinum reduces the time and labor associated with primer applications and provides the first coat in a lime plaster/stucco system over certain rigid surfaces.

Suitable substrates include:

- New Drywall finished to level III or greater
- Old, soundly painted Drywall & Unit masonry
- Magnesium Oxide Board, (MGO) WonderBoard®, Durock®, Dense-glass®, 2" Foam board, FoamGlass®, Faswall®, ICF Blocks, Clean vertical concrete & Hempcrete.

- Polished stone free of oils and waxes
- Rigid metal (Rust will compromise service)

Suitable Exterior Topcoats for TAKCOAT Platinum™

- Ecologic™ Plaster TOPCOAT™ Platinum in Coarse (G) or Fine (F) grades.
- Ecologic™ Mortar in any of the 12 stock colors for Coarse (G) or Fine (F) and Xtra-Fine (XF) grades standard or custom colored.
- Ecologic™ LimeWash Platinum, Ecologic™ Colorwash Stain, Ecologic™ Potassium Silicate Paint or breathable exterior latex paint

Suitable Interior Topcoats for TAKCOAT Platinum™

- TAKCOAT™ Platinum can be final finished to receive no further treatment or receive more TAKCOAT™ Platinum as additional overlay.
- Ecologic™ Plaster TOPCOAT™ Platinum in Coarse (G) Fine (F) or Xtra-Fine (XF) grades.
- Ecologic™ Mortar in any of the 12 stock colors in either Coarse (G) or Fine (F) grades or *Customized* for binder, aggregate or color.
- Clay plaster or Ultra-fine Venetian-style air-setting lime plasters polished or sealed with hemp soap, black soap or bees wax finishes.
- Ecologic™ LimeWash Platinum, Ecologic™ Colorwash Stain, Ecologic™ Potassium Silicate Paint or breathable interior latex paint

### Mixing

TAKCOAT™ Platinum should be mechanically mixed using a drill mixer with a paddle attachment. Start with .5 gallon and add water until a thick pudding consistency is reached with no clumps. Mix well for 3-5 minutes. Adjust final water content to a working

consistency. TAKCOAT™ Platinum is of the right consistency when it is as thick as pudding for troweling. 1/3 cup of Borax may be added per a gallon of mixing water to defend against potential of mold in damp or humid environments.

### **General Application**

The application surface must be clean, free from dust, oils and loose, flaking paint or other unstable coatings. Be sure to tape off any areas not to be plastered such as moldings or trim. Use drop cloths to prevent any possible staining on floors. On porous surfaces, ensure that pre-wetting the surface to control suction is done first then, apply TAKCOAT™ Platinum before dampening is fully dry. Never apply to surfaces that are over saturated or have standing water. The proper thickness is 1/32" – 1/4".

### **Application**

The proper size trowel to use during application is based upon the experience of the applicator. A standard stainless steel stucco trowel is recommended for initial application.

Start applying TAKCOAT™ Platinum to the substrate from the bottom up at 15-30 degree angle. Start at one end of a wall and continuing to other end of the wall, working each trowel full outward from the wet edge. Be careful to not over work the material. Return with a small putty knife to fill small voids in about 1 hour after initial application or to further finish.

### **One-coat Finish**

When a one-coat finish is desired it can be accomplished by lightly misting the work approximately 1 to 2 hours after the mix initially stiffens based on drying time. Remove trowel marks with a flexible steel or plastic stucco trowel. TAKCOAT™ Platinum can also receive a flat finish by gently rubbing a stucco sponge, in a swirling motion, to knock down trowel marks and even out the surface.

### **Painting over TAKCOAT™ Platinum**

TAKCOAT™ Platinum should be allowed to cure for 24 hours and until evenly white in appearance 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™ Lime-Wash Platinum. If painting cured TAKCOAT™ Platinum after it is evenly white in appearance wait 7-10

days before applying linseed oil-based paints, latex or other acrylic based paints so that the TAKCOAT™ Platinum has time to fully carbonate.

### **Environmental Requirements**

Materials must be stored and handled to protect them from damage and moisture in accordance with Manufacturer's instructions. It is recommended to take precautionary measures necessary to assure that excessive temperature changes do not occur. Do not apply TAKCOAT™ Platinum unless minimum ambient temperature of 40°F (4°C) and a maximum of 85°F (29°C) continues to be maintained for a minimum of 24 hours prior to the application and until TAKCOAT™ Platinum has cured for 24 hours at this temperature range. No heavy rain should occur during application and curing time. During hot/dry weather protect from an uneven and excessive evaporation during hot/dry weather. It is suggested to provide a humidifier in any hot interior during curing.

### **Technical Data**

#### **Working time:**

1-2 hours once mixed with water. Any material that has been mixed with water and let to sit over 8 hours should be discarded.

#### **Cure time:**

TAKCOAT™ Platinum should be misted once after a 18 hour cure time when dry conditions persist.

#### **Average coverage:**

About 70 square feet at 1/8" thickness per 50 lb unit.

**(It can be spray applied when being used as a transition coat only- See QR Code on bag)**

#### **Shelf life:**

8-12 months if kept sealed and away from moisture.

#### **Unsuitable substrates:**

As a general rule, any flexible substrate is unsuited as a base for TAKCOAT™ Platinum.

#### **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.

#### **Disposal:**

Sweep and place bulk material in containers and

properly remove for disposal. The final, cured product is not hazardous. Dispose of in a landfill in accordance with all local, state and federal regulations.

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