

Description

Venetian Micro-Topping™ is a multi-purpose concrete topping designed to transform tired and distressed concrete into a beautiful new wear resistant surface. The grout mix is used with the PolyMod 200™ and can be smooth troweled or lightly textured, colored and/or stained to create a wide array of decorative finishes. When properly installed it permanently bonds to concrete surfaces and becomes a durable topping.

Basic Uses

Venetian Micro-Topping™ is suitable for installation of fully bonded, thin-sectioned layers of up to 1/16" (.158 cm) each. Typical applications will include the use of the Perfetto-Espray™ as a base coat prior to top coating with the Venetian Micro-Topping™ material. Interior or exterior applications as well as numerous residential applications. Venetian Micro-Topping™ can be integrally colored with Legacy Colourant™ (10 ounce bottles). When the topping has cured, additional coloring can be added with the Fresco Stain™ or Tinte' D'Acqua™ water-based stain.

Limitations

The surface of the concrete must be profiled and a base coat of Perfetto-Espray™ must be installed to prevent telegraphing of surface preparation processes. Applications of Venetian Micro-Topping™ greater than 1/16" (.158 cm) are not recommended. Applications of more than three layers of Venetian Micro-Topping™ totaling more than 3/16th (.476 cm) of an inch is not recommended.

Legacy strongly recommends the use of a Moisture Vapor Evaporation Rate test in accordance with ASTM F1869. Results should not exceed 5 pounds

per 1000 square feet per 24 hours based on the recommended test period. Relative humidity tests are strongly recommended as well when used in accordance with ASTM F2170. Results should not exceed 75%. Excessive moisture vapor evaporation rates can soften overlay materials and sealers, cause premature wear, discoloration and/or lead to a complete loss of bond from the concrete slab. Overlays and sealers should always be installed over pH neutral concrete substrates.

Cautions

KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. **DO NOT TAKE INTERNALLY.** Avoid contact with eyes and skin. When working with or near this product, all personnel must wear OSHA-NIOSH approved respirators (refer to OSHA standards in 29 CFR 1910.134). Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung Cancer. Avoid inhalation and use local exhaust to keep exposures below OSHA PEL's for silica and nuisance dusts. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Wash splatters from skin immediately. Close containers after each use. Use good hygiene when handling this product and wash and bathe after each use. Be sure to wash clothing after each use.

Coloring

Venetian Micro-Topping™ can be integrally colored using 10 ounce bottles of Legacy Colourant™.

Packaging

Venetian Micro-Topping™ is available in 40# bags of white grout and is used with the PolyMod 200™ that is packaged in 5 gallon re-sealable plastic

pails. Shelf life of properly stored materials is approximately one year.

Storage

Store Venetian Micro-Topping™ powder in a safe, dry place. Protect from moisture intrusion by keeping the bags covered with plastic. Protect the PolyMod 200™ from freezing.

Coverage

Venetian Micro-Topping™ will cover between 150- 350 square feet per bag depending on the depth at which it is applied and the texture and porosity of the surface to which it is applied. Applications over the Perfetto-Espray™ base coat can yield greater coverage rates.

Preparation

Legacy™ strongly recommends representative jobsite test sections. Individuals who will be performing the work should use the specified materials, as well as the finishing and curing techniques that will be used on the job. **THE CONCRETE SURFACE MUST BE PROFILED.** The recommended surface profile for Venetian Micro-Topping™ is a CSP-1, CSP-2, or CSP-3. Surface preparation guidelines are written by ICRI and outlined in Guideline No. 03732 Selecting and Specifying Concrete Surface Preparation for Sealer, Coatings, and Polymer Overlays. Caution should be used when shot-blasting or scarifying and a skilled machine operator is recommended. Venetian Micro-Topping™ should be placed only on clean, sound, fully cured concrete. The surface must be free from all sealers, dirt, oil, paint, moss, dust, and other contaminants. Repair all damaged and deteriorated concrete prior to Venetian Micro-Topping™ placement. Cracks, holes, spalls, etc. should be filled. For deeper repairs in which repair mortars have been placed,

Venetian Micro-Topping™

Characteristics and Applications

allow the patching material to fully cure prior to placement of Venetian Micro-Topping™. Control joints must be honored. If control joints are filled, they must be re-opened after application. If epoxy is used in cracks, contain the epoxy to the crack and broadcast silica sand in the epoxy to ensure proper bonding of Venetian Micro-Topping™. Additional relief cuts in the area of repaired cracks can be done before or after the application of the Venetian Micro-Topping™.

Any areas with contaminants such as hydraulic fluid, cutting oils or other materials prone to migration, they should be marked, degreased and shot-blasted until they turn white.

Always pressure-wash or vacuum the surface to remove dust and debris left over from other surface preparation or repair procedures. Once the concrete surface has been prepared and cleaned, keep it clean throughout the duration of the project. Proper and complete substrate surface preparation is critical to the success of the project.

Application

Temperatures should be in the range of 55-80 degrees Fahrenheit (12.8 C – 26.7 C) before mixing and placing material. Do not use in extreme temperatures or windy conditions. Substrate temperature can affect set times. Application of the material in a representative test area is recommended to help determine set times. Legacy™ recommends the application of a base coat of Peretto-Espray™ prior to applying the Venetian Micro-Topping™ to smooth the surface and eliminate depressions in the concrete surface greater than 1/16" (.158 cm). The base coat can be applied with steel trowels or metal or rubber squeegees. Mix the base coat using 6.5 – 7.5 quarts of PolyMod 200™ per 60# bag of Peretto-Espray™. If using Legacy Colourant™, add the polymer to the mixing vessel and then the colourant (full 10 ounce bottle) and mix thoroughly. Slowly add the grout mix to the liquid and mix until clump free. Allow to stand 10 minutes and then re-mix for 90 seconds prior to placement.

Apply the base coat over a primed surface using the Legacy Primer™ (see Legacy Primer™ TIS). Be sure to apply the base coat within two hours of applying the Legacy Primer™. Applying the base coat over a Surface Saturated Dry concrete surface (wet with no standing water) is acceptable also. Allow the base coat to set and then sand with 60-80 grit sanding disc on a floor machine, rub bricks or by hand in tight areas. Dry times will vary depending on ambient temperatures and conditions. Coverage rates will be between 150 – 300 square feet per bag depending on the texture and porosity of the concrete. Thoroughly vacuum the area to remove dust left from sanding.

One 40# bag of Venetian Micro-Topping™ should be mixed with 7-8 quarts of PolyMod 200™. If using the Legacy Colourant™ (10 ounce bottle), place the polymer in the mixing vessel first, then the colorant and mix thoroughly. Slowly add the grout to the polymer and mix until clump free. Allow to stand 10 minutes. Remix for 90 seconds prior to placement. You can now place the Venetian Micro-Topping™ over the Legacy Primer™. Be sure to prime the base coat with Legacy Primer™. Smoother finishes can be achieved with multiple layers of Venetian Micro-Topping™.

Note: When using Legacy Colourant™ (10 ounce bottles), shake the full bottle of color prior to adding it to the polymer. Once empty, fill the 10 ounce bottle half full of polymer and shake to release any pigment that may have settled to the bottom and then add to the mixing vessel with the rest of the polymer.

Curing

Additional coloring with the Fresco Stain™ or the Tinte' D'Acqua™ water-based stains should take place following a 24 hour curing period. Venetian Micro-Topping™ should be allowed to cure for 24 hours following sealer application before allowing foot traffic.

Sealing

After the overlay has been allowed to cure for 12 hours, protect the surface with Legacy™ Protectants. Please consult the Legacy™ TIS for any sealer used before using any of these sealers. Once sealed, protect the surface from foot traffic for 24 hours and vehicular traffic for 5 days.

Maintenance

The sealed surface should be inspected periodically for areas of thin or traffic worn sealer and re-applied as needed.

Warranty

This product is not intended for public use and is intended for use by trained, professional contractors and installers. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the affects or as results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven to be defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

Clean Up

Clean all tools with water prior to material hardening. Hardened material will require abrasive cleaning measures.

Manufacturer

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