

Product Description

The Perfetto-Espray™ Matrix 200™ is a sprayable acrylic modified, cementitious overlay that is designed to be applied with a hopper gun. The product works with the Perfetto-Espray™ PolyMod 200™ and can be integrally colored using the Legacy Colourants™ (10 ounce bottles). The advanced polymer matrix allows the product to be sprayed or troweled to create unique concrete surfaces that, when sealed, are resistant to water intrusion which minimizes premature surface degradation.

Basic Uses

The Perfetto-Espray™ Matrix 200™ is a sprayable texturing system formulated for resurfacing existing interior or exterior concrete. The product can be patterned and textured to create the look of brick, stone, tile or other unique specialty finishes. Perfetto-Espray™ Matrix 200™ can also be applied in a monolithic sprayed, non-skid texture. The product is also used as a base coat for the Venetian Micro-Topping™ material.

Limitations

The Perfetto-Espray™ should only be applied to sound, properly prepared concrete. Minimum ambient and surface temperature for application is 50 degrees Fahrenheit (40 C). Do not apply if rain is expected within 24 hours of installation. The product should be applied at depths no greater than 3/16ths of an inch and additional lifts should not total more than 1/2 inch.

Packaging

Perfetto-Espray™ Matrix 200™ is packaged in 60# bags. Perfetto-Espray™ PolyMod 200™ is packaged in 5 gallon re-sealable plastic pails.

Coverage

Base coat – 150-300 square feet per bag depending on texture and porosity of the concrete. Texture coats can be troweled or sprayed on at a rate of 150- 200 square feet per 60# bag.

Storage

Store Perfetto-Espray™ powder in a safe, dry place. Protect from moisture intrusion by keeping the bags covered with plastic. Protect the Perfetto-Espray™ PolyMod 200™ from freezing. Shelf life of properly stored materials is approximately one year.

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.

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 Perfetto- Espray™ 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. Perfetto-Espray™ 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, 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 Perfetto-Espray™. 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.

Perfetto~Espray™

Characteristics and Applications

Limitations

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.

Applications

The Perfetto-Espray™ Matrix 200™ is mixed with the Perfetto-Espray™ PolyMod 200™ only—do not use any other additives. Gently stir the Perfetto-Espray™ Polymod 200™ prior to use. Always measure the polymer, colourant and grout to the proper proportions as variations in these can lead to differences in color and texture. A 60# bag of Perfetto-Espray™ Matrix 200™ will require 5.5-7.5 quarts of polymer depending on ambient conditions and desired texture.

NOTE: When using Perfetto-Espray™ as a base coat for the Venetian Micro-Topping™, refer to the Venetian Micro-Topping™ TIS for specific application instructions. Measure and add the Perfetto-Espray™ PolyMod 200™ to a clean mixing vessel. For base coats use approximately 6.5-7.5 quarts of polymer per bag and for spray applications or texture coats, use between 5.5-6.5 quarts. If integral color is desired, add one 10 ounce bottle of Legacy Colourant™ to the polymer and mix thoroughly prior to introducing the grout. Slowly add the 60# bag of grout to the liquid and mix until uniformly blended and lump free. Allow the mixed material to stand for approximately 10 minutes and re-mix for 90 seconds prior to placement. Pot life for mixed material is between 1-3 hours depending on ambient

temperature. Pot life can be extended if material is covered and stored in a cool environment. For mixing less than full batches, pre-blend the dry grout to ensure that the material has not separated during shipment. Mix per above instructions at the ratio of .75-1 quarts of polymer per 10 pounds of grout.

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.

The Perfetto-Espray™ can now be applied over a primed surface using the Legacy Primer™. Roll or spray on the Legacy Primer™ to the prepared concrete surface. If primer is not available apply product to a surface saturated dry concrete surface (wet with no standing or puddled water). Trowel the base coat on uniformly and finish smooth. Allow the base coat to dry at least two hours or more depending on ambient conditions. Once dry, the base coat can be sanded with a 60-80 grit sanding disc on a floor machine or a mason rub brick. Remove all residues from the sanding process. Patterns can be created at this point using fiber reinforced pattern tape or vinyl stencils. Mix the texture coat per above instructions and apply with a trowel or a hopper gun (texture type spray gun). If troweling, apply at thicknesses of less than 1/8". Sprayed texture can be "knocked down" by using a pool trowel if desired. Do not add water to the surface or finish with an overly wet trowel as this can discolor the surface. Remove any pattern work as soon as the material is hard enough to walk on. Allow the finish to cure for 24 hours. High spots in the surface should be removed with a metal scraper or masons stone (rub brick) taking care not to harm the desired texture. Any debris should be vacuumed or blown off the surface.

Curing

Perfetto-Espray™ should be allowed to cure for 24 hours before allowing foot traffic. Additional coloring with the Tinte D'Acqua™ or Fresco Stains™ should take place following a 24 hour curing period. Once sealed, protect the surface from foot traffic for 24 hours and vehicular traffic for 5 days.

Sealing

After the overlay has been allowed to cure for 24-48 hours, protect the surface with Premium Seal VOC 100™, Signature Satin 40™, Signature Seal VOCTM and Aqua Clear VOCTM. Please consult the Legacy™ TIS for any sealer used before using any of these sealers.

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.

Manufacturer

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