

**Guide Specification****PART 1 GENERAL****1.1 SUMMARY**

- A. Furnish all labor, materials, tools and equipment necessary to install a fluid-applied, decorative pedestrian traffic coating system to new or existing concrete surfaces as specified in this section.
- B. The manufacturer's application instructions for each product used are considered part of this specification and should be followed at all times.
- C. Related Sections:
 1. Section 03 30 00 - Cast-in-Place Concrete
 2. Section 07 60 00 - Flashing and Sheet Metal
 3. Section 07 90 00 - Joint Protection

1.2 SYSTEM DESCRIPTION

- A. Decorative PEDA-GARD® shall be a complete system of compatible materials supplied by NEOGARD® to create a seamless waterproof membrane.
- B. Decorative PEDA-GARD® shall be designated for application on the specific type of deck indicated on the drawings.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturers' product data, material safety data sheets (MSDS) and installation instructions for the decorative pedestrian traffic coating system.
- B. Project Reference List: Submit list of projects as required by this specification.
- C. Samples: Submit samples of specified decorative pedestrian traffic coating system. Samples shall be construed as examples of finished color and texture of the system only.
- D. Applicator Approval: Submit letter from manufacturer stating applicator is approved to install the decorative pedestrian traffic coating system.
- E. Warranty: Submit copy of manufacturers' standard warranty.

1.4 QUALITY ASSURANCE

- A. Supplier Qualifications: Decorative PEDA-GARD®, as supplied by NEOGARD®, is approved for use on this project.
- B. Applicator Qualifications: Applicators shall be approved to install specified system.
- C. Mock Up:
 1. Prior to beginning surface preparation, prepare a sample area and apply a mock up to be used as the minimum standard of acceptability of surface finish texture to be achieved for the remainder of the work.
 2. Exact location shall be directed by the Owner/ Owner's representative.
 3. The standard shall be jointly reviewed by the Owner and the Manufacturer prior to start of full scale surface preparation work.
 4. The standard shall be approved by the Owner.
- D. Requirement of Regulatory Agencies: Materials used in the decorative pedestrian traffic coating system shall meet existing Federal, State and local VOC regulations.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Materials shall be delivered in original sealed containers, clearly marked with supplier's name, brand name and type of material.
- B. Storage and Handling: It is recommended to store materials at 75°F (23°C) with careful handling to prevent damage to products. All materials shall be stored in compliance with local fire and safety requirements. Do not store at high temperature or in direct sunlight.

1.6 PROJECT CONDITIONS

- A. Environmental Conditions:
 1. Do not proceed with application of materials when deck temperature is less than 40°F (4.4°C).
 2. Do not apply materials unless surface to receive coating is clean and dry, or if precipitation is imminent.

1.7 WARRANTY

- A. Upon request, NEOGARD® shall offer its standard warranty upon receipt of a properly executed warranty request form.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. NEOGARD® Division of Jones-Blair® Company, 2728 Empire Central, Dallas, TX 75235, Toll Free (800) 321-6588 Fax (214) 357-7532, www.neogard.com.

2.2 MATERIALS

- A. Decorative PEDAGARD®:
1. Primer: Concrete and metal primers as required by NEOGARD®.
 2. Flashing Tape: 86218 flashing tape or approved equal having a minimum thickness of 30 mils.
 3. Liquid Flashing: FC7500/FC7960, 70410 or 7400 series polyurethane coating.
 4. Base Coat: FC7500/FC7960, 70410 or 7400 series polyurethane coating.
 5. Aggregate Coat: FC7510/FC7961 or 7400 series polyurethane coating.
 6. Topcoat: 70860/70865 aliphatic polyurea high gloss or semi-gloss or Acrylithane HS 45090/9951 high gloss, clear in color.
 7. Aggregate: Ultraviolet (UV) stable, color-coated, inorganic quartz aggregate. Contact NEOGARD® for available colors.
 8. Sealant: 70991 or other polyurethane sealant approved by NEOGARD®.

2.3 ACCESSORIES

- A. Miscellaneous materials such as cleaning agents, adhesives, backer rod, deck drains, etc. shall be a composite part of the deck system and shall be compatible with the specified decorative pedestrian traffic coating system.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Concrete: Verify that the work done under other sections meets the following requirements:
1. That the concrete deck surface is free of ridges and sharp projections. If metal forms or decks are used they should be ventilated to permit adequate drying of concrete on exterior exposed deck.
 2. That the concrete was cured for a minimum of 28 days. (Minimum of 3,000 psi compressive strength). Water-cured treatment of concrete is preferred. The use of concrete curing agents, if any, shall be of the sodium silicate base only; others require written approval by NEOGARD®.
 3. That the concrete was finished by a power or hand steel trowel followed by soft hair broom to obtain light texture or "sidewalk" finish.
 4. That damaged areas of the concrete deck be restored to match adjacent areas. Use 100% solids epoxy and sand for filling and leveling.

3.2 PREPARATION

- A. Protection:
1. Mask off all adjoining areas that are not to receive the pedestrian traffic coating system.
 2. Provide a suitable work station to mix the coating materials.
- B. Surface Preparation:
1. Cleaning: Surfaces contaminated with oil or grease shall be vigorously scrubbed with a power broom and a strong non-sudsing detergent. Thoroughly wash, clean, and dry. Areas where oil or other contaminants penetrate deep into the concrete may require removal by mechanical methods.
 2. Shot Blasting: Required surface preparation method for remedial construction, is also the preferred method for new construction. Mechanically prepare surface by shot blasting to industry standard surface texture (ICRI's CSP3-4) without causing additional surface defects in deck surface. Shot blasting does not remove deep penetrating oils, grease, tar or asphalt stains. Proper cleaning procedures should be followed to insure proper bonding of the deck coating. Note: If shot blasting is not practical, balcony/pedestrian surfaces may be prepared by high pressure water and non-sudsing detergent at a minimum 3,500 psi at the tip held a maximum of 6" from the surface.
 3. Cracks and Cold Joints: Visible hairline cracks (up to 1/16" in width) in concrete and cold joints shall be cleaned, primed as required and treated with liquid flashing a minimum distance of 2" on each side of crack to yield a total thickness of 30 dry mils. Large cracks (over 1/16" in width) shall be routed and sealed with FC7500/FC7960 or 70991 sealant. Sealant shall be applied to inside area of crack only, not applied to deck surface. Detail sealed cracks with liquid flashing a distance of 2" on each side of crack to yield a total thickness of 30 dry mils.
 4. Control Joints: Seal secondary control joints with 70991 sealant. Sealant shall be applied to inside area of joint only, not applied to deck surface. Detail sealed joints with liquid flashing a distance of 2" on each side of joint to yield a total thickness of 30 dry mils.
 5. Flashing Tape: Install flashing tape where indicated on the drawings prior to the application of the decorative pedestrian traffic coatings.
 6. Surface Condition: Surface shall be clean and dry prior to coating.

3.3 APPLICATION

- A. Primer: Where required, apply 1/3 gallon per 100 square feet (300 sf/gal) to all concrete surfaces in strict accordance with procedures outlined by NEOGARD®.

Within 24 hours of application of primer, base coat must be applied. If base coat cannot be applied within 24 hours, reprime.

- B. Base Coat: Apply FC7500/FC7960 polyurethane coating to deck surfaces at a rate of 1¼ gallons per 100 square feet (80 sf/gal) or 70410, 7400 series polyurethane coating material at a rate of 1½ gallons per 100 square feet (60 sf/gal) to yield 20 dry mils in strict accordance with procedures outlined by NEOGARD®. Extend base coat over cracks and control joints which have received treatment.
- C. Aggregate Coat: Apply FC7510/FC7961 polyurethane material at a rate of ½ gallon per 100 square feet (200 sf/gal) or 7400 series polyurethane coating material at a rate of ⅔ gallon per square feet (150 sf/gal) to yield 8 dry mils in strict accordance with procedures outlined by NEOGARD® and immediately broadcast aggregate, evenly distributed, into wet coating at a rate of approximately 40-50 pounds per 100 square feet or until refusal. When dry, sweep off excess aggregate.
- D. Seal Coat: Apply 45090/99951 high gloss acrylic polyester/polyurethane or 70860/70865 high gloss or semi-gloss aliphatic polyurea coating material at a rate of approximately ⅔ gallon per 100 square feet (150 sf/gal) in strict accordance with procedures outlined by NEOGARD® and allow to cure tack free.
- E. Topcoat: Apply 45090/99951 high gloss acrylic polyester/polyurethane or 70860/70865 high gloss or semi-gloss aliphatic polyurea coating material at a rate of approximately ½ gallon per 100 square feet (200 sf/gal) in strict accordance with procedures outlined by NEOGARD® and allow to cure 24 hours before allowing foot traffic. It is recommended to apply topcoat in a cross hatch application for best coverage and uniformity of appearance. Depending on the desired texture/finish of the system, additional topcoats may be necessary. The mock up, under 1.4C above, will provide confirmation of coverage rates for topcoat.
Note to specification writer: Thickness values of cured film are averages and can vary due to finish of surface.

3.4 CLEANING

- A. Remove debris resulting from completion of coating operation from the project site.

3.5 PROTECTION

- A. After completion of application, do not allow traffic on coated surfaces for a period of at least 24 hours at 75°F (23°C) and 50% R.H., or until completely cured.

END OF SECTION

The information, data, and suggestions herein are believed to be reliable, based on Manufacturer's knowledge and experience. However, Manufacturer does not guarantee the result to be obtained in the Buyer's process. With regard to those products described herein that are manufactured by Manufacturer, Manufacturer warrants that the standards and qualities of such products will not vary by more than 10% from the tested results set forth in the Product Data Sheets associated with such products. **MANUFACTURER HEREBY EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** Buyer must make its own determination of the suitability of any product for its use, whether such product is used alone or in combination with other materials. **To the extent any of Manufacturer's products is proven to be defective, Buyer's sole remedy shall be limited to the replacement of such defective product, exclusive of any costs of labor. MANUFACTURER SHALL NOT BE LIABLE OR OBLIGATED FOR ANY LOSS OR CONSEQUENTIAL OR OTHER DAMAGE INCURRED DIRECTLY OR INDIRECTLY BY BUYER OR ANY OTHER PERSON OR ENTITY THAT ARISES IN ANY WAY IN RELATION TO ANY OF MANUFACTURER'S PRODUCTS.** Nothing contained herein shall be construed to constitute inducement or recommendation to practice any invention covered by any patent without authority of the owner of the patent. No Applicator is or should be viewed as an employee or agent of Manufacturer. AutoGardSBGS.indd

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