

SECTION - DESCO DESCOFLEX COATINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary and Division 1 Sections, apply to work of this Section.

1.2 DESCRIPTION

- A. Provide all equipment, materials and labor to completely install Special Coatings on scheduled surfaces as shown and detailed on drawings, and as herein specified.

1.3 QUALITY ASSURANCES

- A. Surfacing shall be applied by a Surfacing Applicator approved by the Architect, with a minimum of seven (7) years experience installing the brand of surfacing in similar size and function projects.
- B. Surfacing Applicator shall provide to the Architect a completed list of jobs including Architect, General Contractor, Owner (telephone numbers of all concerned), material used, quantity installed and date completed on similar projects.
- C. Surfacing Applicator must provide a written joint guarantee for materials and workmanship between applicator and surfacing manufacturer for one (1) year.
- D. Surfacing Applicators seeking approval of products other than what is specified must supply samples, full product information, technical data with specifications, certification from an independent testing laboratory reconfirmity, installation instructions and comply with the above quality assurances in writing fourteen (14) days before bid letting. Omission of any item will result in an automatic rejection.
- E. Bidders will be notified by Addendum of substitute surfacing materials, if approved.

1.4 SUBMITTALS

- A. Submit samples and obtain approval and color selection by the Architect before ordering materials and proceeding with work.

1.5 PRODUCT STORAGE AND ENVIRONMENTAL CONDITIONS

- A. Material temperatures shall be a minimum of 55°F before use.
- B. Minimum temperature of 55°F 24 hours during and 24 hours after application or until cured; adequate controlled ventilation; bright, uniform lighting; broom clean; reasonably dust free and kept clear of other tradesmen.

1.6 PROTECTION

- A. Protect adjacent surfaces from damage resulting from work of this trade. If necessary, mask and/or cover adjacent surfaces, fixtures, cabinet work, equipment, etc., by suitable means. Post "No Smoking" signs while work is in progress and curing.

1.7 WARRANTY

- A. Applicator shall notify manufacturer of project requirements before bidding. Manufacturer shall provide written statement before bidding to the Architect that they accept single source warranty for entire installation including labor for one year. Warranty shall include removal and replacement if proven defective. Defective items are, but not limited to debonding, regionalized discoloration, excessive wear and staining by bodily fluids. Non-acceptance in writing by manufacturer is grounds for rejection of product.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Coatings shall be Desco Descoflex Technical Surfacing System, with 1) Over Smooth Surfaces: primer, two coats of flexibilized resin and top coat or 2) Over Coarse Surfaces: foundation coat, two coats of flexibilized as manufactured by Desco Coatings, Inc.
- B. Coatings shall be colors as selected by Architect. Colors may not be from standard line.
- C. Glaze coat shall be a separate non-yellowing, glaze coat having a gloss or matte finish as selected by architect. ***Specifier should select either a matte or gloss finish.***

D. Coating will conform to the following physical properties.

<u>TEST</u>	<u>METHOD</u>	<u>RESULTS</u>
Flammability		Self-extinguishing over concrete
Adhesion	ACI 503R	350 psi (100% concrete failure)
Hardness, Shore D	ASTM D2240	23
Tensile Strength	ASTM D412	1,200 psi
Elongation	ASTM D412	145%
Thermal Cycling	ASTM C884	No Cracking

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Apply Coating in accordance with Coating Manufacturer's printed instructions, employing technically trained applicators, using equipment specifically designed for this purpose.
- B. Finished work shall match approved samples, be uniform in thickness, sheen, color and texture and be free from defects detrimental to appearance or performance.
- C. The smoothness index of completed coating shall be at least 50% using a 60° Gardner Gloss-Meter. The mode smoothness index of coated coarse substrates (such as concrete block) shall be at least 50% of that of same coating applied to a smooth substrate (such as gypsum wall board).
- D. Total film thickness for primer, color coats and glaze shall be 25 to 30 mils over block and 12 to 15 mils over smooth surface. Verify the dry film thickness of completed coating system using a Tooke Mark II coating inspection gauge.

3.2 OTHER CONDITIONS

- A. The General Contractor shall allow sufficient time to the Specialty Applicator to complete the coating application and at no time shall speed of project completion or unsuitable drying conditions be allowed to detrimentally speed up these operations. All substrates must be properly cured and dry. Moisture content shall not exceed 4% on a Tramax moisture tester. Substrate temperature is to be maintained at a minimum of 50°F during application and for a minimum of 24 hours thereafter.

- B. The General contractor shall provide sufficient electric power, light, heat and working conditions to permit the proper application of these coatings. Areas to be coated must be kept free of traffic and no other trade may be allowed to work in area during application procedure.
- C. Plumbing fixtures, toilet and moveable partitions, radiators, grills, etc., shall not be installed until the coatings have been applied.
- D. Painting and decorating, including installation of resilient floor covering shall be completed after the coatings have been applied.
- E. Hard floors and base, such as concrete, ceramic tile or terrazzo shall be completely finished before coatings application.
- F. Caulking, where necessary, is to be installed after coatings application. If caulking is to precede coatings, the caulking compound must be of the non-petroleum based type.
- G. Walls below grade shall be suitable waterproofed from the outside by others.
- H. At completion of the installation, an inspection shall be made jointly by the Coatings Contractor and General Contractor to obtain approval that the coated surfaces are free of damage. It will then be the responsibility of the General contractor to protect this work from subsequent damage.

END OF SECTION