SECTION 099656

EPOXY COATINGS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 2 Specification with primarily editable text; therefore, most of the text can be edited, but there is some required text which is noted within the Section with a “Note to Specifier.” Do not revise these paragraphs without an approved Deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.***

*For Design/Build projects, do not delete the Notes to Specifier in this Section so that they may be available to Design/Build entity when preparing the Construction Documents.*

*For the Design/Build entity, this specification is intended as a guide for the Architect/Engineer preparing the Construction Documents.*

*The MPF specifications may also be used for Design/Bid/Build projects. In either case, it is the responsibility of the design professional to edit the Specifications Sections as appropriate for the project.*

*Text shown in brackets must be modified as needed for project specific requirements.* *See the “Using the USPS Guide Specifications” document in Folder C for more information.*

*The last date that USPS revised this standard specification section occurs in two places, at the end of this section and in the Table of Contents. If the date in this section matches the date in the Table of Contents, then you are using the latest version. Do not delete or revise the “last revised” date at the end of the section during the development of the Project Manual.*

*The footer in this section should be edited to replace the text, “USPS MPF SPECIFICATION” with the project name, and the blank date in the center should be replaced with the submission date, for interim design reviews, or the issue date of the completed Project Manual.*

The product in this section is intended to be used on the entire wall surface in toilet rooms and janitor’s closets as indicated in the Finish Schedule on the drawings. In toilet rooms it should be used in conjunction with the resinous flooring and cove base specified in Section 096723.

Coordinate with drawings on the appropriate substrate material and finish as required by the manufacturer.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. GENERAL
	1. SUMMARY
		1. Section Includes: High solids, pigmented epoxy wall system.
	2. RELATED SECTIONS
		1. Section 016000 - Product Requirements: Product options and substitutions.
		2. Section 096723 – Resinous Floorings: Epoxy floor and cove.
	3. REFERENCES
		1. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
		2. ASTM D2369 Standard Test Method for Volatile Content of Coatings
	4. SUBMITTALS
		1. Product Data: Indicate product components, compliance with physical characteristics, application method, required storage conditions, and permitted disposal method for unused product.
		2. Product Safety Data Sheets.
		3. Applicator Qualifications: Evidence of certification by manufacturer and years of experience.
		4. Samples: Product applied to 12 by 12-inch squares of each type of substrate.
	5. QUALITY ASSURANCE
		1. Applicator: Certified by manufacturer with minimum 5 years of experience installing manufacturer’s product.
		2. Floor Coating Compatibility: In rooms scheduled for Resinous Flooring, the epoxy wall coating and resinous floor and cove products to be compatible products by the same manufacturer.
	6. DELIVERY, STORAGE AND HANDLING
		1. In accordance with manufacturer instructions for components.
	7. SITE CONDITIONS
		1. Substrate: Conditions of substrate materials and surfaces to meet manufacturer’s requirements.
		2. Environment: Ambient temperature and humidity to be maintained in accordance with manufacturer’s requirements.
2. PRODUCTS
	1. MANUFACTURERS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

\*\*Required: Do not revise basis of design manufacturer or product without an approved deviation from USPS Headquarters, Facilities Program Management, through the USPS Project Manager.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* + 1. Basis of Design: Stonglaze VSR, Stonhard Inc., Maple Shade, NJ (800) 257-7953.
			1. Color: Ash Gray
		2. Characteristics:
			1. ASTM E84:
				1. Class: A
				2. Flame spread: 10.
				3. Smoke developed: 20.
			2. ASTM D2369: 39 g/l.
1. EXECUTION
	1. PREPARATION

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**NOTE TO SPECIFIER**

When applying this product on existing substrates, provide a detailed scope of work to indicate the required surface preparation in accordance with the manufacturer’s requirements, either in this paragraph or on the drawings.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* + 1. Prepare substrate in accordance with manufacturer’s requirements.
	1. APPLICATION
		1. Apply coating system in accordance with manufacturer instructions for material and substrate involved.
		2. Provide ventilation during application as required by manufacturer.
		3. Apply each component in compliance with manufacturer's directions to produce a uniform monolithic coating with a total minimum dry film thickness of 10 mil, uninterrupted except at divider strips or at joints indicated or required.
		4. Primer: Mix and apply material according to manufacturer's procedures.
		5. Epoxy Base Coat: Mix and apply material according to manufacturer's procedures. Apply base coat to primed wall surface.
		6. Top Coat: Mix and apply material according to manufacturer's procedures.
	2. FIELD QUALITY CONTROL
		1. Prevent material from pooling or puddling at the floor.
	3. PROTECTION AND CLEANING
		1. Cure materials in compliance with manufacturer's directions.
		2. Close area of application for a minimum of 24 hours.
		3. Prevent contamination during stages of application and prior to completion of curing process.
		4. Protect from damage and wear during construction.
		5. After curing, clean surfaces just prior to final inspection using cleaning materials and procedures recommended by manufacturer.
		6. Dispose of unused materials in accordance with manufacturer’s directions and local regulations.

END OF SECTION

USPS MPF Specification Last Revised: 10/1/2022