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TD.767 – TECHNICAL DATA: HERMETIC™ CVP Ceramic Wall Coating

Revised: 3/16/2023 Version: 1.3

Description: HERMETIC[™] CVP Ceramic Wall Coating is a 100% solids, high gloss vertical finish with superior abrasion and chemical resistance. Formulated with a high molecular density with excellent light reflectivity withstanding repeated washings. Exceed requirements for USDA, FDA, and CFIA inspected facilities.

Typical Uses:

-Commercial bathrooms -All food manufacturing & processing plants

-Block walls, concrete, cement board, sheetrock -Pharmaceutical facilities & clean rooms

-Prisons

Key Features:

-Pick proof coating on prison walls -Very good chemical resistance -Superior abrasion resistance -Easy to clean and maintain

Physical Properties		
Viscosity	Brookfield Viscometer@50 rpm	
Part A	- .	17,500 cps
Part B		4,700 cps
Gel Time:	ASTM C881	55 minutes @73°F / 23°C
Consistency	Moderate viscosity for high build applications	
Pull off adhesion to concrete	ASTM D4541	Concrete failure
Pull off adhesion to steel	ASTM 4541	1,200 psi
Shore D hardness	ASTM 2240	80+ (7 days)
Water vapor permeability	ASTM E-96-13	0.07
Tensile strength	ASTM D638	2,400 psi
Flexural strength	ASTM D790	12,500 psi
Modulus of elasticity	ASTM D695	935.0 psi
Dry film thickness	12 mills between coats max	
Number of coats	1 or more	
Temperature limits (after 7-day ambient cure)		
Dry	350°F	
Wet	200°F	

Cure Schedule: 73°F or 23°C

Drying time (ASTM D1640 @ 50% RH): 90°F: 3-4 hours 70°F: 4-6 hours 50°F: 9-12 hours

Max chemical resistance: 7 days. Equipment cleaner: MEK, acetone, xylene. Do not use thinner.

Limitations:

All substrates must be free of all contaminates including but not limited to: grease, oils, sealers, paint, unsound concrete and laitance. Substrate and air temperature must be Above 50 to 90°F or 10 to 32°C

Preparation & Application: All substrates must be sound and free of contaminates and laitance. Steel: SSPC-SP5 Abrasive blast

Concrete: ASTM D 4258

Block walls: Water blast or brush off all loose laitance, dust, and loose joint mortar and repair joint before application

Application:

Application method: Roller or brush Pot life: 45 minutes @ 73°F or 23°C less at higher temperatures Induction period: None require

Mix ratio: 2 parts A resin to 1 Part B hardener (by volume)

Environmental conditions:

Temperature range: 50°F or 10°C to 100°F or 38°C Max RH (without vapor barrier): 85% @ 73°F or 23°C Surface temperature: 5°F or -15°C above the dew point

Coverage: 10 mils=160 sq. ft, 12 mills=120 sq. ft

Packaging: 3-gallon kit units 2 gallons Part A in a 2-gallon pail (clear need to add 1-pint color pack sold separately) 1-gallon Part B in a 1-gallon pail Larger kit units available upon request.

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend b use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability of fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven dams is replacement of our materials and in o eventshall we be liable for incidental or consequential damages.