

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

Revised: 5.20.19

Product Name: HERMETIC™ CVP Ceramic Wall Coating

Description: HERMETIC™ CVP Ceramic Wall Coating is a 100% solids, high gloss (can be satin with additional coating) 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 CIFA inspected facilities.

USES:

- All USDA, FDA and CIFA inspected facilities
- All food manufacturing & processing plants
- Clean rooms
- Pharmaceutical facilities
- Prisons
- Commercial bathrooms
- Block walls, concrete, cement board, sheetrock

FEATURES:

- 100% solids
- High gloss (light reflective)
- Superior abrasion resistance
- Easy to clean and maintain
- Very good chemical resistance
- Pick proof coating on prison walls
- Simple 2 to 1 mix ratio

Physical Properties

Property	Test Standard	Result
Viscosity	Brookfield Viscometer@50 rpm	
Part A		17,500 cps
Part B		4,700 cps
Gel Time:	ASTM C-881	55 minutes (@73°F or 23°C)
Consistency	Moderate viscosity for high build applications	
Pull off adhesion to concrete	ASTM D 4541	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 D 638	2,400 psi
Flexural strength	ASTM D 790	12,500 psi
Modulus of elasticity	ASTM D 695	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	70°F	50°F
To touch	3-4 hours	4-6 hours	9-12 hours

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

Limitations:

All substrates must be free of all contaminants 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 contaminants 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.