

PCS200 EPOXY COATINGS SYSTEMS PRODUCT DATA SHEET

- PCS200-35- Cold Weather Epoxy Coating

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pipelinecoating.com

DESCRIPTION

Designed for application & curing in cold weather. A true epoxy, not a peroxide cured/vinyl ester, as are some brittle cold weather products in the marketplace. This epoxy coating is non-flammable and free of VOC's. PCS200-35 Cold Weather Epoxy Coating's application temperature and curing ranges were previously not covered by any "true epoxy" coatings already in the marketplace. Developed for application temperatures of 20°F to 75°F (-6°C to 12°C) and services temperatures of -40°F to 190°F (-40°C to 87°C). Coating will continue to cure down to 20°F (-6°C). Note: Product can be applied at lower temperatures when substrate surface is preheated and temperature is held >20°F (-6°C) during curing process.



PIPELINE
COATINGS
SYSTEMS

PRODUCT DATA

PRODUCT DATA

VALUES ARE TYPICAL, NOT SPECIFICATIONS	
SOLIDS	100%
MIX RATIO	3 parts Comp. "A" to 1 part Comp. "B"
COMPONENT A	
Specific Gravity	1.26
Viscosity	100,000 cPs
Color	White
COMPONENT B	
Specific Gravity	1.08
Viscosity	6,000 cPs
Color	Green
BLENDED MATERIAL	
Specific Gravity	1.20
Viscosity	80,000 cPs
Color	Green
CURE TIME	
Pot Life @37° F (3° C)	25 Min
Surface Cure @ 37° F (25° C)	3 Hr 30 Min
Surface Cure @ 57° F (14° C)	1 Hr
BACKFILL TIME	without preheat 8 Hrs at 35° F (2° C)
<small>Determined by the "thumb-nail" test. This is defined by when one can no longer make a permanent indentation in the coating with the thumb nail.</small>	
RECOAT TIME	
@ 37° F (3° C)	4 Hrs
@ 57° F (14° C)	3 Hrs
THEORETICAL COVERAGE	14.1 Sq. Ft. @ 30 mils
APPLICATION TEMPERATURE	
Maximum Surface Temperature	120°F (49°C)
Minimum Surface Temperature	20°F (-6°C)
Thickness: Weld Joints & FBE Repairs	
Minimum/Maximum	20-50 mils
Recommended	25-30 mils
Thickness - Bore Pipe	
Minimum/Maximum	40-70 mils
Recommended	45-60 mils

CHEMICAL
& WATER
RESISTANT
COATINGS
FOR THE
PIPELINE
INDUSTRY

VALUES ARE TYPICAL, NOT SPECIFICATIONS	
HOLIDAY DETECTION	NACE SP0188
CATHODIC DISBONDMENT (ASTM G95)	
28 Days @ 77° F (25° C)	3mm
28 Days @ 150° F (66° C)	4mm
28 Days @ 185° F (85° C)	4mm
HARDNESS (ASTM D-2240-02)	Shore D 82-83
IMPACT RESISTANCE (ASTM G14-88)	88.1 inch/Lbs.
Adhesion to Steel	
	>3000 psi
Adhesion to FBE	
	>4000 psi
APPLICATION TEMPERATURE MAX	
Min. Surface App. Temperature	10° F- 100° F
CLEAN EQUIPMENT WITH MEK, ACETONE OR LACQUER THINNER	

SURFACE PREPARATIONS

Surface must be clean, dry and in good structural condition. Substrate should be blasted to achieve a clean, near white finish, SSPC-SP 10/NACE No. 2 with a 2.5 to 5 mil profile. Apply to dry substrate. Pipe can be heated to 120° F in order to speed cure time.

APPLICATION INSTRUCTIONS

Mix part "A" Epoxy side and part "B" curative side until uniform in color with no streaks. Application should take place immediately after mixing. Apply coating onto the surface and coat in bands completely surrounding the pipe. Applicators should use a brush or plastic applicator to smooth out any obvious sags, rough edges, thin spots, or drips. The thickness of PCS200-35 Coating shall be checked periodically by wet film gauge to achieve the minimum and maximum wet film thickness specified. PCS200-35 can also be supplied in large quantities for use with plural spray equipment or in 1000ml cartridges for spray with commonly used applicator guns.

STORAGE & SHELF LIFE

Shelf life of unopened containers is 24 months from the date of manufacture. If ambient temperature is maintained (50°-75° F). Do not dispose of uncured materials until product has cooled.

Read the Safety Data Sheets before handling.

Pipeline Coatings Systems makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Pipeline Coatings Systems assumes no responsibility for injury from the improper use of the product described herein.

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