

PCS200 EPOXY COATING SYSTEMS PRODUCT DATA SHEET

PCS200-65 Epoxy Pipeline Coating (long pot-life & fast cure)

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pipelinecoating.com

DESCRIPTION

Developed to surpass current epoxy coating benchmarks, PCS200-65 exhibits outstanding workability and pot life while offering the best in class curing time. A single coat, 100% solids high build epoxy possessing wide temperature ranges for application and service life. Developed for application temperatures of 55°F to 95°F (12°C to 35°C) and service temperatures of -40°F to 190°F (-40°C to 87°C).

PRODUCT DATA



PIPELINE
COATINGS
SYSTEMS

PRODUCT DATA

SOLIDS	100.00%
MIX RATIO	4 parts Comp. "A" to 1 part Comp."B"
COMPONENT A	
Specific Gravity	1.32
Viscosity	150,000 cPs
Color	White
COMPONENT B	
Specific Gravity	1.10
Viscosity	9,000 cPs
Color	Green
BLENDED MATERIAL	
Specific Gravity	1.25
Viscosity	100,000 cPs
Color	Green
CURE TIME	
Pot Life @70° F (21° C)	20 Min
Surface Cure @ 57° F	4 Hrs
Surface Cure @ 77° F	2 Hrs
BACKFILL TIME	without preheat 2:15 Hrs at 70° (21°)
<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	
@ 57° F 14° C)	5 Hrs
@77° F (25° C)	2 Hrs
THEORETICAL COVERAGE	14.1 Sq. Ft @ 30 mils
APPLICATION TEMPERATURE	
Maximum Surface Temperature	140° (60°C)
Minimum Surface Temperature	50°F (10°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**

HOLIDAY DETECTION	100 volts/mil
CATHODIC DISBONDMENT (ASTM G95)	
28 Days @ 77° F (25°C)	3 mm
28 Days @ 150° F (65°C)	4 mm
28 Days @ 185° F (85°C)	5 mm
HARDNESS (ASTM D-2240-02)	
	Shore 82D
IMPACT RESISTANCE (ASTM G14 -88)	
	65 Inch/Lbs.
ADHESION TO STEEL/FBE (ASTM D-4541-02)	
Adhesion to Steel	6,850 psi
	3,043 psi
CLEAN EQUIPMENT WITH MEK SOLVENT	

SURFACE PREPARATIONS

Surface must be clean, dry and in good structural condition. Substrate should be sand blasted to achieve a clean, near white finish, SSPC-SP 10/NACE No. 2 with a 2.5 to 5 mil profile. If surface temperature falls below 25° F, surface should be preheated to reach fast cure. Pipe can be heated to 140° F in order to speed cure time.

APPLICATION

Mixing Directions: Mix entire contents of Comp. A with Comp. B to ensure proper mix ratio of 3:1. Thoroughly drain catalyst component to ensure proper mix ratio which is 3 parts Comp. A. to 1 part Comp. B. Mix at a slow speed, thoroughly, until consistent color is achieved.

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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