

PCS200 EPOXY COATINGS SYSTEMS PRODUCT DATA SHEET

- PCS200-95 - Hot Weather Epoxy Coating

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pipelinecoating.com

DESCRIPTION

Designed for use in hot environments and on substrates with elevated surface temperatures. PCS200-95 has been modified on PCS200-65 chemistry to provide the excellent, single coat, high build system while maintaining workability and performance at elevated temperatures. This system has an increased pot life in extreme heat and rapid cure times that are intrinsic to the PCS line of coatings. Pot life of up to 20 minutes at 95°F (35°C). Developed for application temperatures exceeding 80°F (27°C) and service temperatures of -40°F to 190°F (-40°C to 87°C)



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	1.29
Viscosity	250,000 cPs
Color	White
COMPONENT B	
Specific Gravity	1.10
Viscosity	20,000 cPs
Color	White
BLENDED MATERIAL	
Specific Gravity	1.25
Viscosity	210,000 cPs
Color	Green
CURE TIME	
Pot Life @90° F (32° C)	25 Min
Surface Cure @ 77° F (25° C)	3 Hrs 30 Min
Surface Cure @ 97° F (36° C)	2 Hrs 20 Min
BACKFILL TIME	without preheat 2 Hrs at 95° (35°)
<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	
@77° F (25° C)	4-5 Hrs
@ 57° F (14° C)	5-7 Hrs
THEORETICAL COVERAGE	14.1 Sq. Ft @ 30 mils
APPLICATION TEMPERATURE	
Maximum Surface Temperature	160° (71°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

VALUES ARE TYPICAL, NOT SPECIFICATIONS	
HOLIDAY DETECTION	NACE SP0188
CATHODIC DISBONDMENT (ASTM G95)	
28 Days @ 77° F (25° C)	3mm
28 Days @ 150° F (65° C)	4 mm
28 Days @ 185° F (85° C)	6 mm
HARDNESS (ASTM D-2240-02)	Shore D 80-82
IMPACT RESISTANCE (ASTM G14-88)	65 Inch/Lbs.
ADHESION TO STEEL (ASTM D-4541-02)	>4000 psi
Adhesion to FBE	>4000 psi
CLEAN EQUIPMENT WITH MEK SOLVENT	

SURFACE PREPARATIONS

Substrate should be blasted to achieve a clean, near white finish, SSPC-SP 10/NACE No. Prior and during the surface preparation, the temperature of the substrate must be at least 5 ° F (3 ° C) above the dew point. Pipe can be heated to 140° 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 any obvious sags, rough edges, thin spots, or drips the thickness of PCS200-95 Coating shall be checked periodically by wet film gauge to achieve the minimum and maximum wet film thickness specified. PCS200-65 can also be supplied in large quantities for use with plural spray equipment.

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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