

**PCS200  
EPOXY COATING SYSTEMS  
PRODUCT DATA SHEET**

# PCS200-35 Cold Weather Epoxy Coating

**(412) 221-4896**

**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 55°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.

## PRODUCT DATA

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<b>SOLIDS</b>	100.00%
<b>MIX RATIO</b>	3 parts Comp. "A" to 1 part Comp."B"
<b>COMPONENT A</b>	
Specific Gravity	1.26
Viscosity	100,000 cPs
Color	White
<b>COMPONENT B</b>	
Specific Gravity	1.08
Viscosity	6,000 cPs
Color	Green
<b>BLENDED MATERIAL</b>	
Specific Gravity	1.20
Viscosity	80,000 cPs
Color	Green
<b>CURE TIME</b>	
Pot Life @37° F (3° C)	25 Min
Surface Cure @ 37° F	3 Hrs 30 Min
Surface Cure @ 57° F	1 Hr
<b>BACKFILL TIME</b>	without preheat 8 Hrs at 35° (2°)
<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>	
<b>RECOAT TIME</b>	
@ 37° F (3° C)	4 Hrs
@ 57° F (14° C)	3 Hrs
<b>THEORETICAL COVERAGE</b>	14.1 Sq. Ft @ 30 mils
<b>APPLICATION TEMPERATURE</b>	
Maximum Surface Temperature	140° (60°C)
Minimum Surface Temperature	20°F (-6°C)
Thickness: Weld Joints & FBE Repairs	
Minimum/Maximum	20/70 mils
Recommended	25-30 mils
Thickness - Bore Pipe	
Minimum/Maximum	40/70 mils
Recommended	45-60 mils

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<b>HOLIDAY DETECTION</b>	100 volts/mil
<b>CATHODIC DISBONDMENT (ASTM G95)</b>	
28 Days @ 77° F	4 mm
28 Days @ 150° F	4 mm
28 Days @ 185° F	4 mm
<b>HARDNESS (ASTM D-2240-02)</b>	
	Shore D82D
<b>IMPACT RESISTANCE (ASTM G14 -88)</b>	
	88.1 Inch/Lbs.
<b>ADHESION TO STEEL/FBE (ASTM D-4541-02)</b>	
	8,166psi
Adhesion to Steel	3,316 psi
<b>APPLICATION TEMPERATURE MAX</b>	
Min. Surface App. Temperature	10° F - 110° F
<b>CLEAN EQUIPMENT WITH MEK SOLVENT</b>	

## 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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