



# ICAT INDUSTRIES INC.

## CEL 375 Product Data Sheet

### Description:

CEL 375 by ICAT Industries Inc. is an extensively tested external pipeline coating. CEL 375 is a 100% solids epoxy that creates an extremely strong resilient protective film which provides excellent resistance to cathodic disbondment. CEL 375 is formulated to be spray applied (brush kits also available) with plural component heated airless pumps at a wet film thicknesses up to 60 mils DFT in a single application with excellent adhesion and abrasive characteristics. CEL 375 epoxy coating is formulated to address new construction, rehabilitation of existing pipelines, girth welds, valves, bends & field joints. CEL 375 carries a wide and extremely successful track record for over 20 years.

### Uses:

CEL 375 is a two component, 100% solids epoxy coating system which may be applied directly to steel.

### Features:

- Quick set / fast turn around times
- High build – up to 60 mils in a single coat
- Grey in colour
- Finish: Gloss
- Pipeline: New Construction & Rehabilitation
- 100% solids content - VOC Compliant
- Excellent Adhesion and Cathodic Protection
- High Abrasion & Impact Resistance – Excellent for slip bores, directional drilling, etc.
- Provides monolithic membrane protection to the substrate
- Quick return to service
- Available in 200L drums (800L kits), 18L pails (72L kits) and brush grade kits of various sizes

### Packaging:

Spray	18L Pails / 72L Pail Kits
	200L Drums / 800L Drum Kits
Brush & Roll	Brush Kits 0.5L, 1.0L, 1.5L, 2.0L, 2.5L
Cartridge	1000ml Cartridge – Spray / B&R / Repair



# ICAT INDUSTRIES INC.

Properties	Value
<b>Solids Content</b>	100%
<b>Mixed Material</b>	
• Colour	Grey
• Specific Gravity	1.4 combined A and B
<b>Mixing Ratio</b>	3:1 Ratio
<b>Full Cure Time (25°C)*</b>	24 hours
<b>Recoat Window ‡</b>	
• (15°C)	6 hours
• (25°C)	3 hours
• (35°C)	1 hour
<b>Dry to Handle</b>	
• (10°C)	12 hours
• (20°C)	4.5 hours
• (30°C)	1.5 hours
<b>Theoretical Coverage</b>	1 sq. m/liter at 1 mm thickness
<b>Thickness- weld joints/ FBE Repairs</b>	
• Minimum/Maximum	20/80 mils (500/2000 microns)
• Recommended	25/40 mils (750/1000 microns)
<b>Thickness- Bore Pipe</b>	
• Minimum/Maximum	40/80mils (1000/2000 microns)
• Recommended	40/60 mils (1000/1500 microns)
<b>Holiday Detection</b>	125 volts/mil (5000 V/mm)
<b>Cathodic Disbondment Test</b>	
• 28 days @ 20°C	3 mm
• 28 days @ 65°C	2.5 mm
• 28 days @ 80°C	4 mm
<b>Hardness</b>	Shore "D" >80
<b>Impact Resistant @ 0°C</b>	8 Joules
<b>Tabor Abrasion</b>	
CS 17 wheel 1000 cycles 1 kg load	95 mg
<b>Dielectric Strength</b>	15.86 V/um
<b>Adhesion to steel</b>	3000+ psi (glue breaks)
<b>Adhesion to FBE</b>	3000+ psi (glue breaks)
<b>Service Temperature</b>	-50°F to 212°F (-45°C to 100°C)
<b>Application Temperature</b>	32°F to 212°F (0°C to 100°C)

**\* For additional data, including curing schedules, please contact the product manufacturer.**

**‡ NOTE:** Recoat windows are to serve as a general guide only. Several environmental factors can significantly affect inter-coat adhesion. The posted values were conducted under controlled laboratory testing.



# ICAT INDUSTRIES INC.

**Storage:** Minimum 36 months when stored in original containers @ 32°F (0°C) to 113°F (45°C). When temperatures are below 32°F (0°C) product can get heavy thus needs to be warmed and agitated before application.

**Cleaning:** use suitable solvent such as MEK, Acetone, Xylene, Lacquer Thinner (contact manufacture if unknown) to clean equipment.

**Health and Safety:** Always wear protective gear and avoid contact with skin. Do not ingest. See material safety data sheet for further information.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or inability to use the product. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

October 15, 2024