IPC System 8

(ScotchKote™ Fusion Bonded Epoxy Coating 134)

INTRODUCTION OF IPC SYSTEM 8

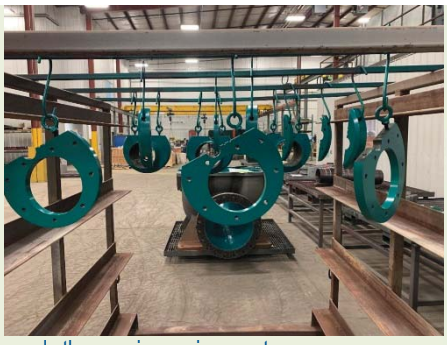
The cost of the coating is only a small fraction of the cost of parts and components, yet the coating is the major means of assuring extended operation by preventing deterioration and service disruption due to corrosion loss. ***IPC System 8 Fusion Bonded Epoxy Coatings*** represents a cost-effective solution as an in internal coating technology for the oil, gas, and water industries.

IPC System 8 is suited for coating parts where heavy build-up is required. With a longer gel time, ***IPC System 8*** allows for the coating of larger surface areas and parts with complex recesses, without runs, sags, or delamination.

IPC System 8 is resistant to wastewater, corrosive soils, hydrocarbons, harsh chemicals, and sea water.

TYPICAL APPLICATIONS

- Pipe spools, valves, springs, and vessels.



SPECIFIC ADVANTAGES

- Fast curing for high application productivity.
- Protects over a wide temperature range.
- Resistant to soil stress and back fill compaction.
- Resistance to cathodic disbondment.
- Long-term performance history in water, sewage, and other service environments.
- Useful for coating the internal of pipe when a smooth, corrosion-resistant coating is required.
- Suitable for moderate temperature service in the presence of H2S, CO2, Crude Oil, and Brine.

PHYSICAL PROPERTIES

Thickness:	10 mils - 30 mils (0.010" - 0.030")	Coefficient of Friction:	0.25 (static)
Adhesive Strength:	4,300 psi (ASTM D 1002)	Electric Strength:	1,000 V/m (ASTM D 149)
Comp. Strength:	12,800 psi (ASTM D 695)	Elongation:	4.2% (ASTM D 2370)
Tensile Strength:	7,300 psi (ASTM D 2370)	Service Temperature:	65°C / 150°F
Thermal Shock:	10 cycles (no effect @ -100°F to 310°F)		

CHEMICAL / PRESSURE / TEMPERATURE RESISTANCE TESTS

Test Conditions	Gas Phase	Result
Autoclave, 120°F 48 hrs. @ 1,500 psi	99.5% CO_2 0.5% H_2S	Pass
Autoclave, 150°F 48 hrs. @2,200 psi	80% CH_4 12% CO_2 6% H_2S	Pass

Test Conditions	Gas Phase	Result
Autoclave, 200°F 48 hrs. @ 3,300 psi	86% CH_4 8% CO_2 6% H_2S	Pass
Autoclave, 300°F 48 hrs. @ 3,000 psi	90% CH_4 10% CO_2 Trace H_2S	Pass

Note: Pass indicates excellent adhesion with no coating loss or blistering in aqueous, hydrocarbon, or gas phase.

IPC™
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Proven Solutions. *Extreme Performance.*
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