



A division of
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PipeFlex 70 HT

PRODUCT DESCRIPTION

PipeFlex 70 HT is a 95% Solid 2 Part Liquid Epoxy Coating system designed to protect steel Pipe and other metal surfaces from the harsh affects of corrosion. It can be used as a patch material, a girthweld coating, a stand alone coating for pipe rehabilitation, and in a wide variety of other field applications where corrosion protection of metal is required. PipeFlex 70 prevents wear-through in areas subject to constant abrasion, heavy impact and other harsh conditions. PipeFlex 70 is an excellent protective coating for surfaces exposed to very severe chemical attack and constant corrosive environments, such as salt water.

PipeFlex 70 has proven to successfully maintain adhesion to most surfaces in conditions where other coatings have failed to perform. An element of flexibility, high adhesive strength and a strong chemical backbone makes this coating tougher and more durable than standard epoxies. It imparts a strong resistance to the delamination that often occurs due to freeze/thaw cycles, impact and equipment vibration and distortion.

PipeFlex 70 can be applied using rollers, brushes, trowels, or by Cartridge spray technology. Spray versions are available.

INTENDED USAGE

The following performances can be modified to meet specific needs

- Excellent protection against all concentrations of sulfuric acid and dilute hydrochloric and dilute nitric acid. Excellent protection against caustics such as lime, potassium hydroxide, sodium hydroxide and salts.
- A coating for metal, concrete, wood and other porous surfaces to protect against the harshest chemical attack. PipeFlex 70 offers superior anti-corrosive protection and rust inhibition.
- Coating for surfaces that require superior adhesive strength for create a long-lasting, durable coating. PipeFlex 70 maintains excellent adhesion during tank deformation under heavy loads, repeated freeze/thaw cycles and abrasive environments.

- “PipeFlex 70 HT” PHYSICAL PROPERTIES”

Qualities	Performance
Compressive strength	greater than 20,000 psi
Flexibility	Greater than 30° bends at 100 mils with no affect on adhesion @70°F
Heat resistance	To 250 F – standard
Glass transition temperature	133.31°C (271.96°F),
Adhesion	cold roll steel/NACE 5 ° greater than 4000 psi
Cure time @ 70 F	100% cured in 24 hours – standard
Pot life @ 70°F	Approximately 30 minutes
Pipe Handling time @ 140 F	Approximately 2 - 3 hours
Method of Application	Brush, roller and or spray
Percent solids	100%
Coverage	Approx. 80-100 square feet/gal kit; coverage varies based on temperature, thickness of application and substrate.
Application temperature	Minimum 50°F
Preheat pipe temperature	Approximately 140 F
Surface preparation	SSPC-SP 10 / NACE NO. 2
Abrasion	17 mg and less than .001 thickness (method: 1,000 cycles taken on a taber wheel)
Mixed viscosity	Thixotropic paste at 70°F
Shelf life	6 months if stored below 70°F
Film Build	10 – 20 mils DFT
Mixing Ratio by volume	2 to 1
Shore D Hardness	85 D

