



GO Coat200™ High Shear Coating System

Polyken Pipeline Coatings

System Description

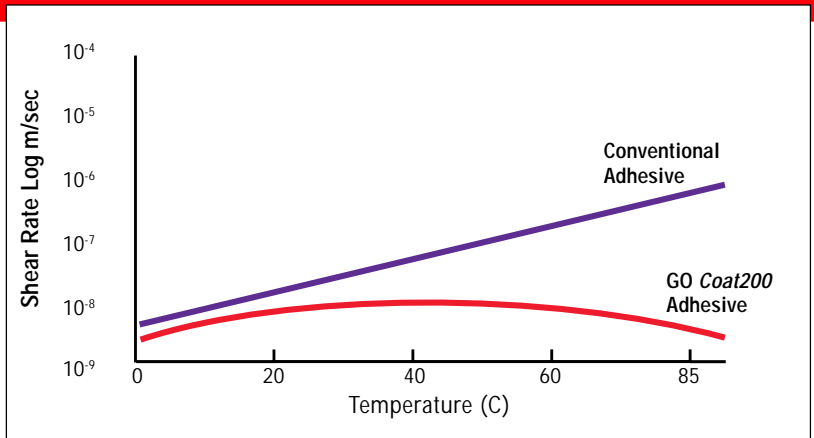
The Polyken GO Coat200 system is designed for in field application on pipe where soil stress conditions exist and with a maximum operating temperature of 200° F (93° C). The system consists of a solvent based elastomeric primer, an anti-corrosion layer formulated with a high-shear elastomeric adhesive and a mechanical protection layer formulated with a stabilized polymeric backing for long-term stability at elevated temperatures.

Product Advantages

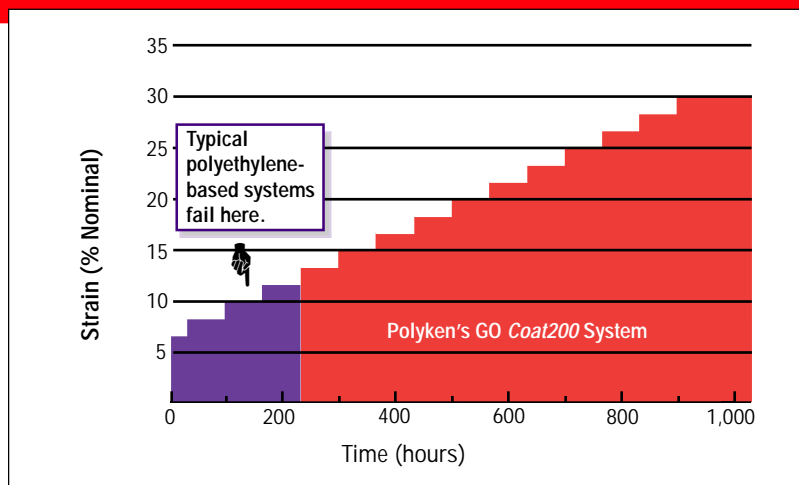
- Shear resistant up to 200°F (93° C)
- Thermally stable polymeric backing
- Incorporated SCC inhibitors
- Established in-ground history
- New construction or reconditioning of existing pipelines

► The crosslinked adhesive of the GO Coat200 System resists the normal soil and pipe movement stresses that can occur on a pipeline.

Shear Resistance—Modified Aleyeska Method



Environmental Stress Cracking Resistance



◄ When subjected to simulated field conditions, Polyken's GO Coat200 System exhibits superior resistance to stress cracking compared to a conventional polyethylene-based system.

Polyken GO Coat200 System

System Components

#2019 Primer Layer	#2000 Anti-Corrosion Layer	#2055 Mechanical Layer
Percent solids: 20%	Thickness: 25 mils	Thickness: 25 mils
Wt/gal: 7.3 lbs	0.64 mm	0.64 mm
Flash point: +10° F - 12°C	Tensile: 45 lbs/in 78.8 N/10 mm	Tensile: 70 lbs/in 122 N/10 mm
	Elongation: 500%	Elongation: 500%

System Properties – 50 mil System

	English	Metric
Peel Adhesion to Primed Pipe:		
• ASTM D 1000	18.8 lbs/in	32.7 N/10 mm
Cathodic Disbondment:		
• ASTM G 8	0.8 in radius	20.3 mm radius
• ASTM G 42		
Water Vapor Transmission Rate:		
• ASTM F 1249 100° F, 100% RH	0.03 g/100 in ² /24 hr	0.5 g/m ² /24 hr
Volume Resistivity:		
• ASTM E 257	2.5 x10 ¹⁵ ohm•cm	2.5 x10 ¹⁵ ohm•cm
Dielectric Strength:		
• ASTM D 149	22 kv	22 kv
Impact Resistance:		
• ASTM G 14	45 in•lb	5.1 Joules
Penetration Resistance:		
• ASTM G 17	<15%	<15%
Temperature Range*:		
• Normal application	-30° to 160° F	-34° to 71° C
• Normal continuous service	-30° to 200° F	-34° to 93° C
• Normal application	-30° to 220° F	-34° to 104° C



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