



POLYKEN[®]

GO Coat250

High Temperature Coating System

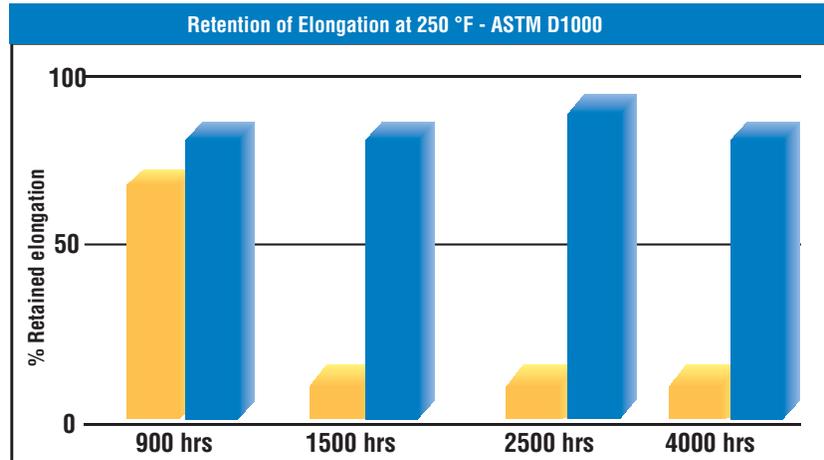
Polyken[®] Pipeline Coatings

System Description

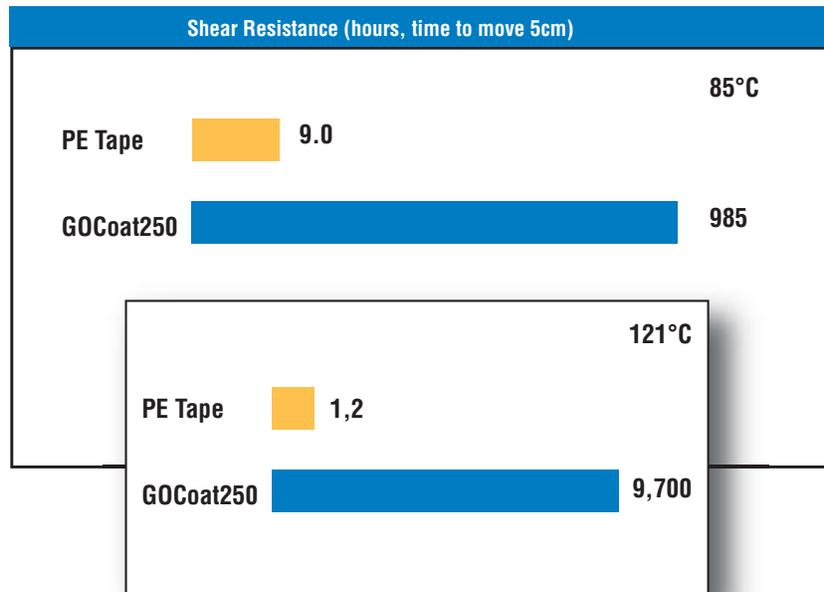
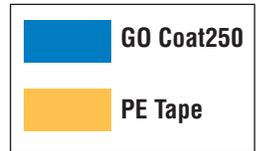
The Polyken GO Coat250 system is designed for the corrosion protection of new and existing pipelines with a maximum operating temperature of 250°F(121°C). The primer layer is a solvent-based, thermally-activated material formulated for elevated temperature stability. The coating layer consists of a polypropylene backing and a cross-linked elastomeric adhesive capable of maintaining long-term protection at elevated temperature

Product Advantages

- User-friendly application to new or operating pipelines
- Retains long-term flexibility
- Shear resistant at elevated temperatures
- Manufactured at ISO certified facility
- Plant or in-field application



• The Polyken GO Coat250 system is designed to maintain coating integrity and efficiency after long-term exposure to elevated temperatures



• The cross-linked elastomeric adhesive resist the normal soil and pipe movement stress that can occur on a high temperature pipeline.

System Components

Primer layer #1619

Percent solids: 20
Wt/gal: 6.3 lbs
Flash point: +45°F
+7.2°C

#1600 Coating

Thickness: 25 and 30 mils;
0.64 and 0.76 mm
Tensile strength: 37 lbs/in
64.5 N/10 mm
Elongation: 500%

System Properties - 50 mil System

	English	Metric
Peel Adhesion to Pipe:		
• ASTM D 1000: 23°C	19 lbs/in	33.3 N/10 mm
Shear Adhesion to Pipe:		
• Modified Aleyeska method:		
85°C	0.0014 in/hr	1 x 10 ⁻⁸ m/sec
121°C	0.0002 in/hr	1.3 x 10 ⁻⁹ m/sec
Cathodic Disbondment:		
• ASTM G 8	0.8 in radius	20.3 mm radius
• ASTM G 19: 121°C	1.0 in radius	25.4 mm radius
Water Vapor Transmission Rate:		
• ASTM F 1249 (100 F 100% RH)	<0.06g/100 in ² /24 hr	0.8g/m ² /24 hr
Impact Resistance:		
• ASTM G 14	33 in lb	3.7 Joules
Penetration Resistance:		
• ASTM G 17: 21°C	40%	40%
• ASTM G 17: 121°C	53%	53%
Volume Resistivity:		
• ASTM D 257	10 ¹⁴ ohm•cm	10 ¹⁵ ohm•cm
Dielectric Strength:		
• ASTM E 570	20 kv	20 kv
Temperature Range:		
• Normal in-ground service	-30° to 250° F*	-34° to 121° C*

*Contact a Covalence CPG representative for specific project recommendations.

Covalence Specialty Materials warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Covalence Specialty Materials written instructions. Since many installation factors are beyond the control of Covalence Specialty Materials, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Covalence Specialty Materials liability is stated in the standard terms and conditions of sale. Covalence Specialty Materials makes no other warranty either expressed or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.



Local Distributor / Representative:

For contact details of local Distributors / Representatives please visit www.covalencecpg.com.

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