

Introduction

SealXpert Poly Inner Wrap 980 is a multilayer coating system designed for the corrosion protection of steel pipelines. It is engineered to assure a high bond to the primed surface with excellent conformability characteristics. The SealXpert Poly Inner Wrap 980 can also be used for ductile iron pipes

Features

- Worldwide reference lists.
- Uniform coating thickness.
- Resistant to soil stress.
- Impermeable to oxygen and moisture.
- Low cathodic protection-current requirements.
- Compatible with all pipe diameters and generic plant coatings systems.
- Max operating temperature: 85°C (185°F)

Benefits

- Proven long term in-ground performance.
- Plant coating quality with in-situ application.
- Superior in-ground performance.
- Saving cost over the life of the pipeline.
- Minimize inventory, thus saving money.

Typical Properties

Backing: 12 mils (0.305 mm)
 Adhesive: 8 mils (0.203 mm)
 Backing color: Black

Typical Properties

Tensile Strength:	55 N/cm	ASTM D1000
Elongation:	330 %	ASTM D1000
Peel Adhesion to Primed Steel:	25 N/cm	ASTM D1000
Cathodic Disbondment:	0.24 in. radius 6.4mm	ASTM G8
Water Vapor Transmission Rate:	0.10 g/m ²	ASTM E96
Volume Resistivity:	2.5 X 10 ¹⁵ ohm.cm	ASTM D257
Dielectric Strength:	35 kV	ASTM D149
Impact Resistance:	40 In-lbs (4.4 Nm)	ASTM G14
Impact Resistance:	1000 Lbs (4450 N)	ASTM G13
Penetration Resistance:	<15 %	ASTM G17

Surface preparation

General: The area to be coated has to be clean, dry, and free from oil, grease and dust. All contamination including mill-scale has to be removed

Degreasing: Degrease surfaces with Toluene or Heptane and e.g. a lint-free cloth

Preventing condensation of water: Prior to and during the application, the temperature of the substrate(s) must be at least 5°F (3°C) above the dew point

Substrate temperature: Temperature of the substrate should preferably be between 68°F and 104°F (20°C / 40°C). Preheating may be required

Application
Step 1

Clean substrate to minimum SSPC-SP3-82 or ST3 surface finish.

Step 2

Uniform primer application achieving 2 to 3 mil WFT. Primer should be "dry to touch" before application of inner layer.

Step 3

If required, apply weld seam coating.

Step 4

Spirally apply the 980 inner layer (anti corrosion) with a 1% to 2% neckdown and no less than a 1" overlap.

Step 5

Spirally apply the 955 outer layer (mechanical protection) with a 1% to 2% neckdown and no less than a 1" overlap.

Step 6

Perform holiday detection per NACE SP0274.

Handling and Storage

The SealXpert Poly Inner Wrap 980 shall be stored and/or transported in a dry, ventilated location. Storage temperature shall be a minimum of 60°F (16°C) and a maximum of 120°F (49°C). The minimum primer temperature for application will be 60°F (16°C).

Objects coated with SealXpert Poly Inner Wrap 980 should not be exposed to loads e.g. from supports- or lifting equipment.

Disclaimer: The information contained herein is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. 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.