Introduction

SealXpert Poly Outer Wrap 955 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 Outer Wrap 955 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:	25 mils (0.635 mm)
Adhesive:	5 mils (0.127 mm)
Backing color:	White

Typical Properties

Tensile Strength:	80 N/cm	ASTM D1000
Elongation:	450 %	ASTM D1000
Peel Adhesion to Primed Steel:	33 N/cm	ASTM D1000
Water Vapor Transmission Rate:	0.06 g/m^2/24 hr	ASTM E96
Volume Resistivity:	2.6 X 10^{15} ohm.cm	ASTM D257
Dielectric Strength:	45 kV	ASTM D149

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 Outer Wrap 955 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 Outer Wrap 955 should not be exposed to loads e.g. from supports- or lifting equipment.

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