




Serviwrap®
Technical Data Sheet

DESCRIPTION

Serviwrap R30 is a 1.65mm, cold applied coating designed to provide protection against corrosion and electrolysis on below grade metal substrates. The anti-corrosion bituminous rubber compound provides self sealed joints at longitudinal and end of roll overlaps, and is highly resistant to cathodic elasticity. The unique extruded PVC carrier is engineered for toughness, conformability and controlled elasticity.

Serviwrap R30 can be provided in either a Temperate grade (R30A) or a Tropical grade (R30B) depending on the application location.

RECOMMENDED USE

A high-performance, cold-applied PVC pipe wrap for use on buried and submarine line pipe. For field welds, fabrications, bends and fittings.

SUBSTRATE COMPATIBILITY

Steel, Stainless Steel, Ductile Iron, Other Metals, FBE, PE, Plastic Pipe

SURFACE PREPARATION

The surface to be wrapped should be as clean as possible. Remove metal burrs and other projections, and all loose matter, any existing coatings, dirt, rust and foreign debris. Ensure all oil and grease is removed with solvent. Inspect old pipework or factory coatings and remove any loose coating back to sound material with wire brushing. Where new or existing steelwork has been subjected to chemical attack, salt spray, fungi or bacteria other methods may be used.

PRIMER

Serviwrap R30 requires a primer to allow for permanent adhesion. Serviwrap Primer AB should be applied and allowed to dry prior to application of the tape. See the application guideline for more details.

REFERENCE

Serviwrap R30 meets all of the performance criteria listed in the most recent revision of:

NACE SP0109 (Cold-Applied Laminate Polymeric Tapes)

SAFETY

Refer to Safety Data Sheet: SDS-SERVIWRAP

APPLICATION

Refer to Application Guidelines: AG-COLD-APPLIED-BITUMEN-TAPE

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Typical Data

Property	Metric	US Customary	Test Method
Total Thickness	1.65 mm	65 mils	ASTM D1000
Backing Thickness	0.75 mm	29.5 mils	ASTM D1000
Adhesive Thickness	0.90 mm	35.4 mils	ASTM D1000
Cathodic Disbondment, 30 days	<10 mm radial	<0.4 in ²	ASTM G8
Adhesion to Self*	2.75 N/mm	15.7 lb/in	ASTM D1000
Adhesion to Primed Steel*	2.75 N/mm	15.7 lb/in	ASTM D1000
Tensile Strength	14.8 N/mm ²	2150 psi	ASTM D638
Tensile Modulus	10.5 N/mm ²	1500 psi	ASTM D638
Elongation	270%	270%	ASTM D638
Dielectric Strength	>40 kV	>40 kV	BS2782
Holiday Detection Setting	10 kV	10 kV	NACE RP0274
Impact Resistance	20 J	160 in lb	ASTM G13
Water Vapor Permeability	0.36 g/(24h*m ²)	0.025 g/(24h*100 in ²)	ASTM E96 Procedure B
Water Absorption	<0.5%	<0.5%	ASTM D570
Insulation Resistance	10 ¹² Ohms/cm ²	10 ¹² Ohms/cm ²	ASTM D257
Storage Temperature Range	<30°C	<86°F	
Application Temperature Range R30A Temperate R30B Tropical	+5°C to +35°C +5°C to +60°C	+41°F to +95°F +41°F to +140°F	
Service Temperature Range	-20°C to +75°C	-4°F to +167°F	

* Peak Mean Adhesion

ORDERING INFORMATION

Dimension	Sizes Available
Width	50, 100, 150, 225, 300, 450 mm
Length	15 - 60 m