



**Serviwrap**<sup>®</sup>  
**Technical Data Sheet**

**DESCRIPTION**

Serviwrap R15 is a 1.14mm, 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 R15 can be provided in either a Temperate grade (R15A) or a Tropical grade (R15B) depending on the application location.

**RECOMMENDED USE**

A medium duty, cold-applied PVC pipe wrap for use on buried 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 R15 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 R15 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	1.14 mm	45 mils	ASTM D1000
Backing Thickness	0.38 mm	15 mils	ASTM D1000
Adhesive Thickness	0.76 mm	30 mils	ASTM D1000
Cathodic Disbondment, 30 days	<10 mm radial	<0.4 in <sup>2</sup>	ASTM G8
Adhesion to Self*	2.5 N/mm	14.3 lb/in	ASTM D1000
Adhesion to Primed Steel*	2.5 N/mm	14.3 lb/in	ASTM D1000
Tensile Strength	14.8 N/mm <sup>2</sup>	2150 psi	ASTM D638
Tensile Modulus	10.5 N/mm <sup>2</sup>	1500 psi	ASTM D638
Elongation	230%	230%	ASTM D638
Dielectric Strength	>30 kV	>30 kV	BS2782
Holiday Detection Setting	8.5 kV	8.5 kV	NACE RP0274
Impact Resistance	>12 J	>100 in lb	ASTM G13
Water Vapor Permeability	0.36 g/(24h*m <sup>2</sup> )	0.025 g/(24h*100 in <sup>2</sup> )	ASTM E96 Procedure B
Water Absorption	<0.5%	<0.5%	ASTM D570
Insulation Resistance	10 <sup>12</sup> Ohms/cm <sup>2</sup>	10 <sup>12</sup> Ohms/cm <sup>2</sup>	ASTM D257
Storage Temperature Range	<30°C	<86°F	
Application Temperature Range R15A Temperate R15B 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	12 - 60 m