

Serviwrap® M30

Anti-corrosion Pipewrap

A Grade - Temperate

B Grade - Tropical

Use

For the protection of butt weld joints against corrosion damage on concrete weight coated submarine pipelines, where the joints will be infilled with hot marine mastic, PU foam or other forms of infill materials.

System

A two component cold applied tape system, consisting of a PVC carrier, plus a self adhesive compound. The main role of the carrier is to bring the tape's adhesive compound to the pipe's surface and to provide mechanical and heat protection whilst the joint area is being infilled. Once the joint is completed, the tape's adhesive compound provides the anti-corrosion coating and the marine mastic, or other infill material, the primary mechanical protection.

Characteristics

The product is designed to resist both post weld heat, plus the abrasive effects and heat of the marine mastic infill poured in excess of 210°C or the exothermic reaction of the foam in excess of 100°C. It displays a high degree of adhesion between the bare steel in the weld area and to the adjoining mill applied coating. It is compatible with, and exhibits excellent adhesion to, most factory coatings including Enamels, F.B.E, Polyethylene and Polypropylene. It exhibits a marked affinity to the marine mastic at the interface of the two materials; desirable to limit spalling of the mastic due to impact from trawl boards.

Protective Interleaf

Overwidth silicone coated interleaf paper prevents edge of the roll dirt 'pick up' during site handling. It is removed as application takes place.

Cold Applied

Fast and simple by hand

Climatic Zone

Temperate - M30A

Tropical - M30B

Supply	
Roll lengths	Hand application 15m or to order
Roll widths	100, 150, 200, 300, 450 and 500 mm or to order
Colour	Black
Carton packed	Heavy duty cardboard cartons protects during transportation and site storage. Dimensions linked to export containerisation to make optimum use of space.

Nominal Physical Data

Property	Test Method	Value	Unit
Adhesion to Steel*	ASTM D1000	2.75	N/mm
Adhesion to Self*	ASTM D1000	2.75	N/mm
Cathodic Disbondment	ASTM G8	<10	mm radius
Impact Resistance (Single Layer)	ASTM G13	>20	Drops
Tensile Strength	ASTM D638	16.10	N/mm ²
Tensile Module	ASTM D638	21.50	N/mm ²
Elongation	ASTM D638	290	%
Dielectric Strength		>40	kV
Insulation Resistance		10 ¹²	Ohms/cm ²
Operating Temp. Range		-20 to +110	°C
Interleaf Overwidth		25	mm
Thickness	Adhesive compound	0.90	mm
	PVC Carrier	<u>0.75</u>	mm
	Total	<u>1.65</u>	mm

*Peak Mean Adhesion

Application Instructions

Subject to alteration for specific project requirements.

1. Surface of the steel and mill coating to be thoroughly cleaned to remove rust, mill scale, weld spatter, dirt, dust, grease and other deleterious matter. Mechanical wire brushing is sufficient for surface preparation and primer is not necessary.
2. Peel back separation interleaf from the first 225mm of Serviwrap and place sticky surface to the clean, dry prepared surface, removing interleaf and employing sufficient tension to ensure intimate adhesion between the Serviwrap's compound and the pipe surface. Proceed to wrap the weld joint in accordance with the project specification.
3. Place mould around the joint and apply infill material overall.