



# Maflowrap

## Technical Data Sheet

<b>DESCRIPTION</b>	Maflowrap 900 is a 1.0mm, 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 cross-laminated HDPE carrier is engineered for toughness and conformability.
<b>RECOMMENDED USE</b>	A medium duty, cold-applied PE pipe wrap for use on buried and submarine line pipe. For field welds, fabrications, bends and fittings.
<b>SUBSTRATE COMPATIBILITY</b>	Steel, Stainless Steel, Ductile Iron, Other Metals, FBE, PE, Plastic Pipe
<b>SURFACE PREPARATION</b>	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.
<b>PRIMER</b>	Maflowrap 900 requires a primer to allow for permanent adhesion. Maflowrap Primer B400 should be applied and allowed to dry prior to application of the tape. See the application guideline for more details.
<b>REFERENCE</b>	Maflowrap 900 meets all of the performance criteria listed in the most recent revision of NACE SP0109 (Cold-Applied Laminate Polymeric Tapes).
<b>SAFETY</b>	Refer to Safety Data Sheet: SDS-MAFLOWRAP
<b>APPLICATION</b>	Refer to Application Guidelines: AG-COLD-APPLIED-BITUMEN-TAPE

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### TYPICAL DATA

Property	Metric	US Customary	Test Method
Backing Colour	Black	Black	ASTM D1000
Total Thickness	1.0 mm	39 mils	ASTM D1000
Backing Thickness	0.10 mm	4 mils	ASTM D1000
Adhesive Thickness	0.9 mm	35 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	4.5 N/mm	25.7 lb/in	ASTM D638
Tear Resistance	35 N	8 lb	ASTM D1004
Elongation	400 %	400 %	ASTM D638
Dielectric Strength	20 kV	20 kV	BS2782 ASTM D1000
Holiday Detection Setting	8 kV	8 kV	NACE RP0274
Impact Resistance—2 Layers	3.8 J	33.6 in lb	ASTM G14
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	+5 °C to +50 °C	+41 °F to +122 °F	
Service Temperature Range	-20 °C to +75 °C	-4 °F to +167 °F	

### ORDERING INFORMATION

Dimension	Sizes Available
Width	50, 100, 150, 225 mm
Length	15 m