



PROTECTOWRAP

COLD APPLIED SELF ADHERING PIPE PROTECTION

PROTECTOWRAP is a tough, self-adhering, self sealing, anti-corrosion pipeline protection. Prefabricated, robust, and designed for application manually or by machine. It is a prefabricated tape, comprising a tough carrier, bonded to a rot-proof fibreglass reinforced, heavy elastomer - modified, self adhesive bitumen compound.

Ideal for pipe wrapping in areas of high water tables and high salinity. It resists chloride and sulphate attack. It is totally conformable, and easily workable.

Tests Performed	Procedure	Units	Tolerance	Value
Tape Length		m	<-1%	15
Tape Width		mm	<-1%	150,225,300
Tape Thickness	ASTM D5147	mm	-0.2mm	1.5
Carrier Thickness	ASTM D5147	mm	Min	0.4
Resistance to Static Loading (Method A)	EN 12730	Kg	Min	20
Resistance to Impact	EN 12691	mm	Min	>300
Tensile Strength	ASTM D412	N/5cm	Min	270
Tear Resistance	ASTM D1004	N	Min	230
Adhesion to Pipe	ASTM D1000	N/mm	Min	5.7
Adhesion to Self	ASTM D1000	N/mm	Min	5.7
Dielectric Strength	ASTMD257-93	Kv	Min	>27
Insulation Resistance	ASTMD257-93	M-ohms	Min	10 ¹²
Elongation of Compound	ASTM D412	%	Min	2000
Application Temperature – Air	Visual	C	Min	10-50
Application Temperature – Pipe	Visual	C	Min	0-75
Compatibility with Protection System for factory coated pipes bituminous coating	Visual	-	-	Good
Compatibility with Protection System for epoxy coated items	Visual	-	-	Good

Application

All surfaces of ductile iron, carbon steel, concrete or asbestos pipes, flanges, hydrants etc. should be very clean and dry.

Apply one thin coat of ASTM D41 Primer and allow to dry completely.

Where necessary, apply suitable and compatible moulding compound and smoothly shape joints to create an acceptable profile for wrapping.

Wrap the pipe with PROTECTOWRAP with a 50% overlap or as directed by site engineer. Peel back release film/paper, approx. 25 cms at a time, begin wrapping (adhesive side to pipe), remove film/paper as the PROTECTOWRAP is applied.

Overlap with sufficient tension to ensure complete conformability. Smooth out to expel all trapped air.