



**COLD APPLIED - SELF ADHERING -
PIPE PROTECTION**



PROTECTOWRAP®-S

- Excellent bond to metal, D.I. carbon steel, or concrete pipes, etc.
- Readily forms to contours.
- Rot proof, damage resistant core.
- Tough polyester surface.
- Self sealing to minor punctures.
- Ideal for pipe work, fire hydrants and valves in buried conditions.
- Suitable for fittings installed in concrete chambers.

PROTECTOWRAP-S is a high performance self-adhering, self-sealing, anti-corrosion pipeline protection. Prefabricated, robust, and designed for application manually or by machine.

PROTECTOWRAP-S is a prefabricated tape, comprising a tough carrier, bonded to a rot-proof reinforcement and coated with a heavy elastomer - modified, self adhesive bitumen compound.

Ideal for pipe wrapping in areas of high water tables & high salinity. **PROTECTOWRAP-S** resists chloride and sulphate attack. **PROTECTOWRAP-S** is totally conformable, and easily workable.

TECHNICAL DATA

This Data may be changed, improved or modified by DWI, in accordance with the Client's requirements or availability of raw material, without advance notice. This product data sheet supersedes all previous data publications pertaining to this product.

PROTECTOWRAP-S

	Properties	Unit	Value	Method
1.	Total Tape Thickness	mm	1.65 mm	UEAtc
2.	Thickness of Carrier	mm	0.3 +/- 10%	UEAtc
3.	Overlap	%	55	
4.	Material Properties			
	a) impact strength	joules	> 8	UEAtc
	b) tensile strength	N / mm	22.6 N/mm ²	ASTM D412
	c) tar resistance	N	60	ASTM D1004
	d) adhesion to pipe	N / mm	5.7 N / mm	ASTM D1000
	e) adhesion to self	N / mm	5.7 N / mm	ASTM D1000
	f) dielectric strength	V	25000	ASTM D257-93
	g) insulation resistance	Megaohms	10 ¹²	ASTM D257-93
	h) elongation of compound	%	2000%	ASTM D412
5.	Application Temperature Range			
	a) air temperature	C	10° - 50 °C	
	b) pipe temperature	C	0° - 75 °C	
6.	Primer		Dermaprimer	
7.	Mastic		Dermaputty	
8.	Compatibility with protection system for			
	a) factory coated pipes bituminous coating		good	
	b) epoxy coated items Powder coated epoxy		good	

APPLICATION

- A. All surfaces of ductile iron, carbon steel, concrete or asbestos pipes, flanges, hydrants etc. should be very clean and dry.
- B. Apply one thin coat of DERMAPRIMER (ASTM D41) and allow to dry completely.
- C. Where necessary, apply suitable & compatible moulding compound and smoothly shape joints, to create an acceptable profile for wrapping.
- D. Wrap the pipe with **PROTECTOWRAP-S** with a 55% overlap or as directed by site engineer. Peel back release paper, approx. 25cms at a time, begin wrapping (adhesive side to pipe), remove paper as the **PROTECTOWRAP-S** is applied.
- Overlap with sufficient tension to ensure complete conformability. Smooth out to expel all trapped air.
- E. Cover with PROTECTOBIT (optional).

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Submitted by :

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DERMABIT PRODUCTS ARE TESTED AT RANDOM INTERVALS BY INDEPENDENT LABORATORIES TO INTERNATIONAL STANDARDS AND THE RESULTS OF THESE TESTS ARE AVAILABLE ON REQUEST. IN ADDITION, EACH BATCH MANUFACTURED IS SUBJECT TO STRICT QUALITY CONTROL PROCEDURES TO ENSURE IT MEETS APPROPRIATE AND APPLICABLE STANDARDS AND/OR NORMS.