

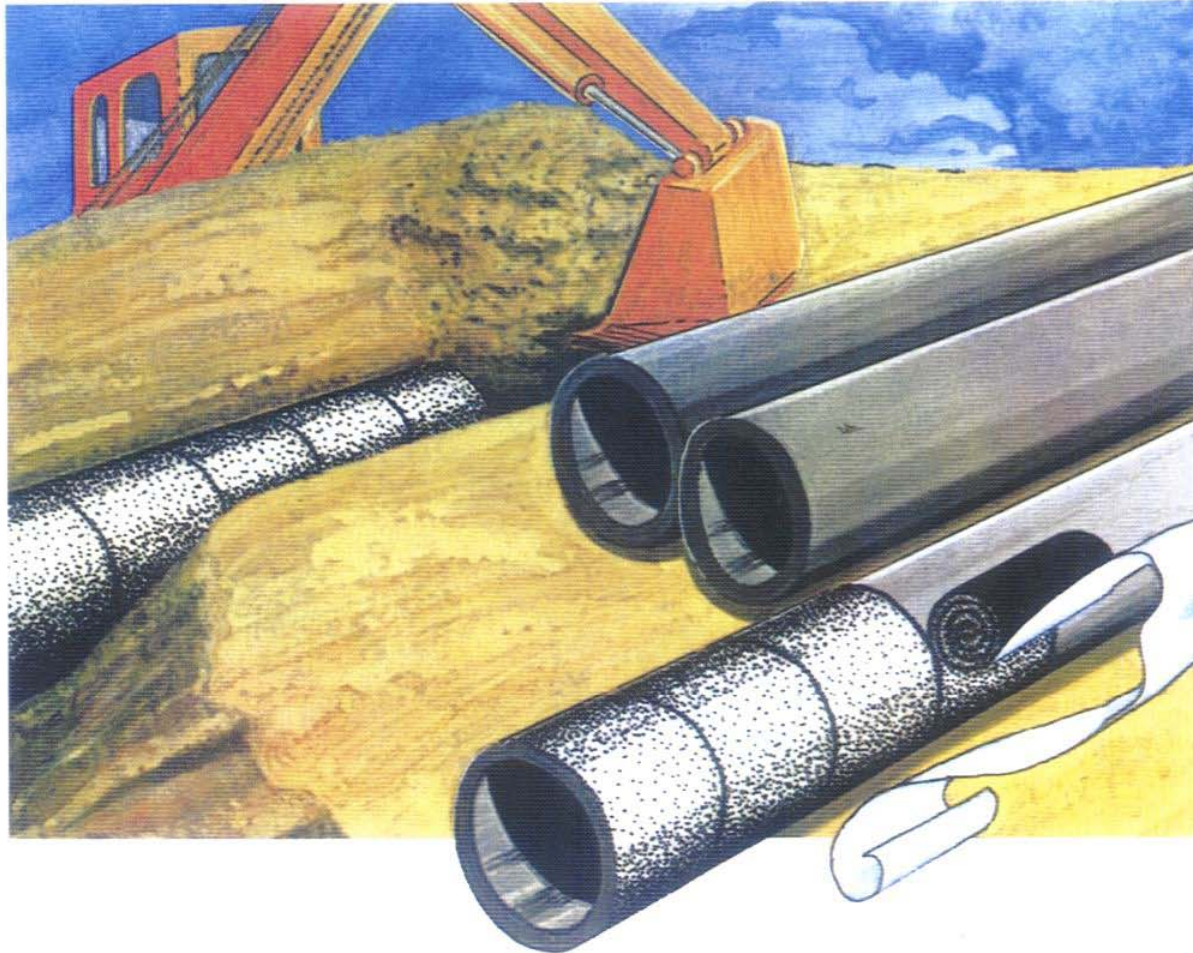


PROTECTO-WRAP

COLD APPLIED - SELF ADHERING - PIPE PROTECTION



PUBLICATION NO.: R621/JUNE '05



- 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 fitting installed in concrete chambers

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

PROTECTOWRAP 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 area with high water tables & high salinity. **PROTECTOWRAP** resists chloride and sulphate attack. **PROTECTOWRAP** is totally conformable, and easily workable.

TECHNICAL DATA

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.

MATERIAL PROPERTIES	VALUES	TEST METHOD
- Total tape thickness (Nominal)	1.50 mm	UEAtc
- Thickness of bituminous compound	1.35 mm	UEAtc
- Tape width	225 mm, 150 mm	
- Tape length	15 meters (standard)	
- Tensile strength	270 N/5 cm	UEAtc
- Tear resistance	> 20 N	ASTM D1006
- Impact resistance (50% overlap)	> 8 NM	UEAtc
- Elongation of elastomerized mix	> 2000 %	ASTM D402
- Adhesion (Joules)	> 5.7 joules	ASTM D1000
- Dielectric strength	> 27 Kv	ASTM D257-93
- Insulation resistance	> 10 ¹²	ASTM D257-93
- Application temp. range	10°C - 50°C	

APPLICATION
A. All surface 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 PROTECTO-WRAP with a 50% overlap or as directed by site engineer. Peel back release paper, approx. 25 cms at a time, begin wrapping (adhesive side to pipe), removing the release paper as the PROTECTO-WRAP is applied. Overlap with sufficient tension to ensure complete conformability. Smooth out to expel all trapped air.
E. Cover with PROTECTOBIT (optional)

SPECIFICATION
The wrapping tape for the external protection of pipes shall be PROTECTO-WRAP, as manufactured by DWI, Dermabit Waterproofing Industries Co. Ltd., P.O. Box 10308, Jubail Industrial City 31961, Saudi Arabia.

The above data are average figures obtained from the tests of various samples and are subject to the tolerances defined in the specified test methods.

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Submitted by :

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