



PROTECTOWRAP-XAL®

COLD APPLIED - SELF ADHERING - PIPE PROTECTION



PUBLICATION NO.: PWRAPXAL/AUG '05

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

PROTECTOWRAP-XAL is a prefabricated tape, comprising a tough carrier, bonded to a rot-proof fiberglass reinforced, heavy elastomer - modified, self adhesive bitumen compound.

USES:

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

FEATURES:

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

FEATURES

All surface ductile iron, carbon steel, concrete or asbestos pipes, flanges, hydrants etc. should be very clean and dry. Apply one thin coat of DERMAPRIMER (ASM D41) 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-XAL** with a 50% overlap or as directed by site engineer. Peel back release paper, approximately 25 cm at a time, begin wrapping (adhesive side to pipe), removing the release paper as the **PROTECTOWRAP-XAL** is applied. Overlap with sufficient tension to ensure completely conformability. Smooth out to expel all trapped air.

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.

PROTECTOWRAP-XAL®

MATERIAL PROPERTIES	VALUES	TEST METHODS
Total tape thickness (Nominal)	1.5 mm	UEAtc
Thickness of bituminous compound	1.35 mm	UEAtc
Tape width	100 mm, 150 mm 225 mm, 300mm	
Tape length	15 meters	
Tensile strength Longitudinal Transverse	625 N/5 cm 525 N/5 cm	UEAtc
Tear resistance	> 400 N	ASTM D5147
Puncture resistance (50% overlap)	> 210 N / 40 MM	ASTM E154
Elongation of elastomerized mix	> 1000 %	ASTM D402
Dielectric strength	> 27 Kv	ASTM D257-93
Insulation resistance	> 10 ¹²	ASTM D257-93
Application temperature range	10°C - 50°C	

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.

DWI, DERMABIT WATERPROOFING INDUSTRIES COMPANY LTD.

Head Office P. O. Box 10308 - Jubail Industrial City 31961 Saudi Arabia
Telephone : 00966 3 3410464 Telefax : 00966 3 341 0481
E-mail: dermabit@dermabit.com.sa
Website : dermabit.net

Riyadh Branch Telephone : 00966 1 4645988 / 4657761
Telefax : 00966 1 4634100
E-mail: dwi_riyadh@dermabit.net

Jeddah Branch Telephone : 00966 2 6973309 - Telefax : 00966 2 6976374
E-mail: dwi_jeddah@dermabit.net

Al-Khobar Branch Telephone : 00966 3 8823986 - Fax : 00966 3 8878025
E-mail: dwi_khobar@dermabit.net

Submitted by :

All reasonable care has been taken in preparing this technical information which, to the best of our knowledge, is accurate and true at the time of printing this leaflet. Due to our policy of continued development work and depending upon the availability of the raw material, clients requirement and environmental conditions the actual technical data may differ from those described herein as it may be changed, modified or improved by DWI without notice. All recommendations and suggestions are made in good faith and can only be considered for general guidance. No warranty is implied or given by us in relation to application, as conditions for use and any labour involved, are beyond our control.