



® ADESO BIT
1600 XAL



PUBLICATION NO.: ADE1600XAL/01/MAY '05

PRODUCT DESCRIPTION

ADESO BIT 1600 XAL is a self adhesive / methane resistant membrane combining the properties of a weather and ultra violet resistant Aluminium / HDPE co-laminated film with the strength of an internal polyester reinforcement.

USES :

- A general use waterproofing membrane for roofs, basements, wet areas, canals, culverts and various building and civil works as well as industrial application in aggressive chemical environment.
- Flashing membrane and termination above ground of basement waterproofing.
- Can be cut in small width rolls as a flash band to cover joints and cracks on old roofs, culverts, around pipe works and openings.
- Temporary and permanent instant waterproofing solution in maintenance work.

FEATURES :

- ✓ Methane resistant for industrial application
- ✓ Weather resistant, can be left permanently exposed
- ✓ Ultra violet resistance during site works before backfilling
- ✓ Excellent adhesion and flexibility

- ✓ High tensile and Puncture resistance
- ✓ Superior Tear Strength
- ✓ Rot-Proof
- ✓ Easy* to apply like any other self-adhesive membrane, no special tools or technique involved.
- ✓ High chemical resistance to industrial gases

APPLICATION :

Concrete should be free of voids, hollows, honeycombs, loose or coarse aggregates and sharp protrusions. The concrete surface should be a floated finish. It is recommended that concrete should be at least eight days old. In particular situations, the membrane can be applied at an earlier time depending on site conditions. Concrete curing compounds should be tested for compatibility, or removed. All surfaces should be dry and free from dirt, dust, oil and grease. Forms below horizontal slabs should be removed as early as possible to avoid entrapment of excessive moisture.

FORM OF SUPPLY :

ADESO BIT 1600 XAL is supplied in rolls of 1x15 Meters.

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.



PROPERTIES	TYPICAL VALUES	TEST METHOD
THICKNESS	1.6 mm	ASTM D 5147
REINFORCEMENT	150 grms / M ² Polyester	
CARRIER	Aluminium / HDPE Laminated Film	
TENSILE STRENGTH		
LONGITUDINAL	625 N/5 cms	ASTM D 5147
TRANSVERSE	525 N/5cms	
ELONGATION AT BREAK		
LONGITUDINAL	20 %	ASTM D 5147
TRANSVERSE	20 %	
TEAR STRENGTH		
LONGITUDINAL	400 N	ASTM D 5147
TRANSVERSE	425 N	
LAP SHEAR STRENGTH		
LONGITUDINAL	625 N/5 cms	ASTM D 5147
TRANSVERSE	525 N/5 cms	
WATER ABSORPTION	0.12%	ASTM D 5147
PUNCTURE RESISTANCE	210 N / 40 mm	ASTM E 154
CHEMICAL RESISTANCE	CONFORMS	ASTM D 543
PEEL STRENGTH		
- TO PRIMED CONCRETE	2.01 N/mm	ASTM D 1000
- TO SELF	2.11 N/mm	

ENVIRONMENT TEST (ASTM D 543)

Irrespective of thickness **ADESO BIT 1600 XAL** is resistant to chlorides, sulphates and phosphates found in ground water.

STORAGE / HEALTH HAZARDS

Keep **ADESO BIT 1600 XAL** stores on pallets placed on level surfaces under shade or cover.

There are no health hazards associated with normal usage. Wear gloves while handling to avoid injury.

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.