



GENERAL

The 2050/3050 AL series is a range of waterproofing and flashing membranes laminated with a strong aluminium foil for exposed systems application and flashing purposes, giving excellent reflective properties and mechanical protection.

TYPES:

DERMABIT 2050 / 3050 AL are APP modified bituminous membranes.
ELASPHALT 2050 / 3050 AL are SBS modified bituminous membranes.

USES:

- Flashing membranes used along with APP or SBS modified bitumen waterproofing membranes.
- Cap sheet for exposed waterproofing systems on flat roofs where fiberglass reinforced membranes are suitable for use.
- Exposed waterproofing system for pitched roofs where high solar reflective power is required.

SPECIAL FEATURES:

- Easy to install. A removable selvedge is provided to ensure proper bonding at overlaps.
- Accommodates high temperature cycles.
- Maintains shape stability at both high and low temperatures.

ROLL SIZE AND PACKING

DERMABIT 2050 / 3050 AL, **ELASPHALT 2050 / 3050 AL** are produced in rolls of 1 x 10 metres (special lengths on request). The upper surface is covered with an embossed aluminium sheet. The bottom surface is covered with a thin film of flammable polyethylene that is burnt off during torching. Rolls are palletized and shrink wrapped.

APPLICATION

The application of the **DERMABIT 2050/3050 AL**, **ELASPHALT 2050/3050 AL** membranes is easy and quick.

AS A WATERPROOFING MEMBRANE:

The application of **ELASPHALT 2050, 3050 ALUMINIUM** is both easy and quick. Where it is to be laid directly in a one layer system on concrete, tiles or an existing roofing system, a coat of **DERMABIT PRIMER** at the rate of 200-300 grms/m² should first be applied. Allow this coating to dry thoroughly. In areas of high humidity we recommend it should be left overnight.

The membrane must first be unrolled and laid down on the area to which it is to be applied. Check the orientation carefully. Adjacent rolls should then be laid, each

overlapping the one next to it by 10 cms on the side and 15 cms at the ends. Taking care not to change the orientation of each roll, reverse the process until each has been re-rolled. We recommend you read our "Application Procedures" for a comprehensive explanation of the process. When laying the roll, the lower surface should be heated with a propane torch, using sweeping left to right movements. This will melt the lower surface of the membrane and allow it to stick to the substrate. Once laid, you should torch the special PE selvedge which is provided with the membranes. Continue this process for each subsequent roll, remembering that the overlaps must be 10 cms for the edges and 15 cms at the ends. When the process is complete, carry out an inspection to ensure total adhesion.

AS A FLASHING MEMBRANE:

Parapet surface must be primed and dried. Cut the rolls lengthwise to the required size and place the membrane one piece next to the other with a side overlap covering the selvedge area.

The membrane can be torched directly on to the existing horizontal one and all the way up the primed parapet surface. Finish the membrane in a groove. Fill the groove or joint with **DERMAFLASH**

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
		ELASPHALT 2050, 3050 AL	DERMABIT 2050, 3050 AL	
Softening Point (R+B) of coating mixture		125° C	155° C	ASTM D36
Penetration (DOW) of coating mixture		45dmm	35dmm	ASTM D5
Thickness (±5%)		2mm 3mm		ASTM D751
Reinforcement core of the membrane		Fibreglass 60gm/m ²		
Tensile Strength	Longitudinal	350 N/5cm		UEAtc, ASTM D146 CGSB-37-GP-56M
	Transverse	300 N/5cm		
Elongation	Longitudinal	3.8%		UEAtc, ASTM D146 CGSB-37-GP-56M
	Transverse	3.9%		
Load Strain Product	Longitudinal	1596		UEAtc, CGSB-37-GP-56M
	Transverse	1189		
Tear Resistance	Longitudinal	70 N		UEAtc,
	Transverse	90 N		
Lap Joint Strength	Longitudinal	420 N/5cm		UEAtc, CGSB-37-GP-56M
	Transverse	310 N/5cm		
Puncture Resistance	Static	L 4 (Net perforated at 25 Kg) I4		UEAtc,
	Dynamic			
Flexibility at low temperature (- 10°C)		No cracking		UEAtc,
Creeping of the Membrane applied on 60° sloped, at a Test Temperature of 100°C during 120 Hours		No creeping		UEAtc,
Water Absorption - PBS		Less than 0.15%		ASTM D570,
Impermeability of the Membrane to Water		Absolutely impermeable		UEAtc,
Resistance to Thermal Ageing		No signs of deterioration after the test		UEAtc,
Resistance to Ageing due to UV-Radiation		No signs of deterioration after the test		UEAtc,
Adhesion strength of the membrane fully bonded to a concreted deck, previously treated with Dermaprimer		0.8 Kg / cm ²		UEAtc,
Water Vapour Permeability		Absolutely impermeable		ASTM E96

PACKING CONFIGURATION

DERMABIT	2050	23 Rolls per pallet (1 X 20m)
DERMABIT	3050	30 Rolls per pallet (1 x 10m)
ELASPHALT	2050	23 Rolls per pallet (1 X 20m)
ELASPHALT	3050	30 Rolls per pallet (1 x 10m)

Submitted by :

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