

## TECHNICAL DATA

# DRYSHIELD-AL

## ALUMINIUM SURFACED MEMBRANES

Aluminum surfaced membrane reinforced with glass fiber mat. These are specially designed to be used as an exposed top layer for the protection of membrane against Ultra-Violet radiation and are produced with APP modified, SBS modified or an oxidized bitumen coating. The coating should be selected to correspond to that of the underlying membrane.

### FEATURES

- ✧ Specially For Exposed Applications
- ✧ Durable And Easy To Apply
- ✧ Remarkable Resistance To Aggressive Attack Of Salts And Chemicals
- ✧ Excellent Dimensional Stability

### FUNCTIONS

Used a solar protection membrane to resist attack by Ultra-Violet radiation.

### INSTRUCTION FOR APPLICATION

These membrane must be installed fully boned by torch welding. The substrate should be cleaned and primed with **ORGANIX PRIMED D 41** and allowed to dry. Torching should be done by skilled labor and controlled so that only the PE film is melted and the asphalt coating sufficiently softened to bond the membrane. A self-edge 5 to 10 cm wide, without aluminum facing is provided to form side laps. The aluminum facing should be carefully cut away, on the lower sheet, to allow 15cm wide end laps to be formed where necessary. All lap joints should be smoothed and sealed using a heated round-nosed trowel. The heat of the gas flame should be applied to the trowel. Up stand and flashing should be installed using 1m wide pieces cut from the length of the roll.

### COVERAGE

1.12 M Per layer for flat surfaces



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### HEALTHY AND SAFETY

All safety measures should be observed during application. Fire extinguishers should be available at the site. Protective tools, such as gloves and goggles, should be worn by all workers during application.

### PRECAUTIONS

No special precaution are needed.

### PACKING

Produced in rolls of 1 × 10 meters: special lengths are available upon request. Rolls are palletized and shrink-wrapped.

### SURFACING

Surfaced with a reflective aluminum foil on top and a fusible polyethylene (PE) film at the bottom.

### STORAGE & MATERIAL HANDLING

Rolls should always be stored vertically in a shaded area. Normally, pallets should not be stacked one over the other. However, if a wooden board is used in between, 2 pallets may be stacked one over the other.



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Properties	Typical Results			Test Method
	GV 40 AL	GV 40 A AL	GV 40 S AL	
Roll Size, m	10×1	10×1	10×1	UEAtc, M.O.A.T.30&31
Typical Roll Weight, Kg	40	40	40	UEAtc, M.O.A.T.30&31
Thickness (glass) Weight,	50-60	50-60	50-60	UEAtc, M.O.A.T.30&31
Penetration (using Asphalt Type (R&B), C°) at 25 mm	Oxidized >105-20-35	APP modified >105-20-35	SBS modified >115-20-45	ASTM D 36 ASTM D 5
Tensile strength (N/5cm) longitudinal	325-300	325-300	325-300	UEAtc M.O.A.T.30&31 DIN 52123
Tensile strength (N/5cm) transversal	60-80	60-80	60-80	UEAtc M.O.A.T.30&31 DIN 52123
Joint strength (N/5cm) longitudinal	>325-300	>325-300	>325-300	UEAtc M.O.A.T.30&31 DIN 52123
Flexibility (No kinking at), C°	+5	-5	-15	DIN 52123
Resistance (No kinking at), C°	80	120	100	DIN 52123
Water Absorption, %	>0.15			ASTM D 5147
Puncture resistance	Static: L3 Dynamic: I2			UEAtc M.O.A.T.27
Resistance to aging after 2000 (Accelerated Aging Tester)	-		No Deterioration	ASTM D 5147



The above shown technical data are typical result obtained, to the best of our knowledge, from our quality control records, extra data can be provided upon request.