



## Technical Data Sheet

# ASAD - REINFORCED MEMBRANES

ASAD 1.6 P, ASAD 2.0 P, ASAD 1.6 G, ASAD 2.0 G

Self Adhesive, polyester or glass fiber carrier

### DESCRIPTION

These are self adhering cold applied bituminous , vapor and waterproof sheet membranes, produced with different types of carriers such as non woven polyester or glass fiber . The layers of bitumen are uniquely formulated elastomeric bituminous compound which provide high adhesive properties and is suitable for high or low temperature applications.

### FEATURES

- Cold applied, no heating required
- Self Adhesive, no gas torch required
- Fire hazard eliminated during application
- Remarkable resistance to aggressive attack of salts and chemicals
- Excellent dimensional stability
- Ease of application

### FUNCTIONS

Used for vertical and horizontal tanking in two layers and for dampproofing. Also used for pipe wrapping. Aluminum surfaced membranes are used as solar protection for pipe wrapping.

### INSTRUCTIONS FOR APPLICATION

These membranes are installed by peeling off the release paper and unrolling the membrane. The membrane, particularly at the overlaps, should be firmly pressed down using a rubber hand roller to ensure proper sealing. When application temperature drops below 20°C, it is essential to heat the primed surfaces (by using a gas torch) before applying the membrane. Membrane stored at temperature below 20°C, should be left exposed to warmer temperature for at least 6-8 hours.

before application. Prior to installation, the substrate should be cleaned and primed with AWAZEL PRIMER D41 and allowed to dry.

### COVERAGE

1.12 meter per layer : for flat surfaces

### HEALTH & SAFETY

All safety measures should be taken during application.

### PRECAUTIONS

No special precautions are needed.

### PACKING

Produced in rolls of 1x20 meters; special lengths are available upon request. Rolls are palletized and shrink-wrapped.

### SURFACING

The membranes are covered with different types of surfacing materials on the top side such as PE film, PP film, Polymeric film. The bottom side is covered with a peel-off siliconized release paper /film .

### STORAGE & MATERIAL HANDLING

The 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 provided in between, two pallets may be stacked one over the other.

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## TECHNICAL DATA

Properties	Typical Results				Test Method
	ASAD 1.6 P	ASAD 2.0 P	ASAD 1.6 G	ASAD 2.0 G	
Roll Size, m	20 x 1	20 x 1	20 x 1	20 x 1	UEAtc, M.O.A.T. 31
Nominal Thickness, mm	1.6	2.0	1.6	2.0	UEAtc, M.O.A.T. 31
Nominal Unit Weight, kg/m <sup>2</sup>	1.6	2.0	1.6	2.0	UEAtc, M.O.A.T. 31
Carrier (type and weight), g/m <sup>2</sup>	Nonwoven polyester 120		Glass Fiber 60		UEAtc, M.O.A.T. 31
Coating Asphalt Type Softening Point (R&B), °C Penetration at 25°C, 0.1 mm Elongation, %	SBS - Self Adhesive Compound > 115 60 - 80 > 1000				ASTM D 36 ASTM D 5 MRDD-10(97)
Tensile Strength, N/5 cm Longitudinal Transversal	* 550 400	* 600 400	350 250	400 300	UEAtc, M.O.A.T. 31
Elongation at Break, % Longitudinal Transversal	40 40	40 40	2 - 4 2 - 4	2 - 4 2 - 4	UEAtc, M.O.A.T. 31
Lap Joint Strength, N/5 cm Longitudinal Transversal	> 550 > 400	> 600 > 400	> 350 > 250	> 400 > 300	UEAtc, M.O.A.T. 31
Tear Strength, N Longitudinal Transversal	100 120	100 120	60 80	60 80	UEAtc, M.O.A.T. 31 ASTM D 4073
Peel Strength, kg/cm to primed concrete to self	10.0 9.0	11.0 10.0	5.5 5.0	6.0 5.5	ASTM D 1000
Flexibility at - 25°C	No Cracking				UEAtc, M.O.A.T. 31
Heat Resistance at 100°C	No Flowing				UEAtc, M.O.A.T. 31
Resistance to Aging after 2000 hours (Accelerated Weathering Tester)	No Deterioration				ASTM D 4799

Note: The above shown technical data are typical results obtained, to the best of our knowledge. From our quality control records extra details can be provided upon request.

\* In accordance to the standard, a variation of 20% is expected.

**Refer TDS Control Nos. SA011604, SA021604 & SA031604 for Supporting Accessories**

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