



Technical Data Sheet

ASAD CLPE MEMBRANES

Self Adhesive, bonded to Cross laminated HDPE

ASAD 1.6 CLPE, ASAD 2.0 CLPE

DESCRIPTION

A self adhering cold applied bituminous, vapor and water proof sheet membranes, bonded to a Cross Laminated High Density Polyethylene film on top side and backed with a peel-off siliconized release paper / film. The layers of bitumen are uniquely for-mulated with elastomeric (SBS) bituminous com-pound 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 is required; Eliminate fire hazard
- Excellent tensile strength properties
- Excellent impact resistance
- Remarkable resistance to aggressive attack of salts and chemicals
- Excellent elongation and puncture resistance properties

FUNCTIONS

Used for tanking in two layers and for dampproofing. Also used for pipe wrapping and waterproofing of basements and other sub-structures.

INSTRUCTIONS FOR APPLICATION

These membranes is installed by peeling off the release paper/film and unrolling the membrane. The membrane, particularly at the overlaps, should be firmly pressed down using a rubber hand roller to ensure proper sealing. The overlap joints should be 5 to 10 cm at the sides and 10 to 15 cm at the end. Prior to installation, the sub-strate should be cleaned and primed with AWAZEL PRIMER D41 and allowed to dry. When application temperature drops below 20°C, it is essential to heat the primed

surfaces (by using agas torch) before applying the membrane. The membranes stored at temperature below 20°C, should be left exposed to warmer temperature for at least 6-8 hours before application.

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

It is produced in rolls of 1x20 meters; special lengths are available upon request. The rolls are rolled on paper core and supplied in carton boxes with sufficient edge protection board The rolls are palletized and shrink-wrapped.

SURFACING

Surfaced with 100 microns thick CLPE Film on top and a peel-off siliconized release film/paper at the bottom side.

STORAGE & MATERIAL HANDLING

The rolls should always be stored vertically in a shaded area. Normally, pallets should not be stacked one over the other.

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TECHNICAL DATA

Properties	Typical Results		Test Method
	ASAD 1.6 CLPE	ASAD 2.0 CLPE	
Roll Size, m	20 X 1	20 X 1	UEAtc, M.O.A.T. 31
Nominal Thickness, mm	1.6	2.0	UEAtc, M.O.A.T. 31
Nominal Unit Weight, kg/m ²	1.6	2.0	UEAtc, M.O.A.T. 31
Coating Asphalt Type Softening Point (R&B), °C Penetration at 25°C, 0.1 mm	SBS - Self Adhesive Compound > 115 60 - 80		ASTM D 36 ASTM D 5
Tensile Strength - N/mm ² Longitudinal Transversal	45 50		ASTM 638
Tensile Strength - Composite Membrane N/5cm Longitudinal Transversal	230 250		DIN 52123
Elongation - Composite Membrane, % Longitudinal Transversal	250 180		DIN 52123
Puncture Resistance N-mm	200 - 70		ASTM E 154
Peel Strength (Adhesion), kg/ cm to primed concrete to self	6.5 (6.48 N/mm) 6.0 (5.98 N/mm)		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
Environmental Resistance	Conforms		ASTM E 543
Moisture Vapour Transmission	0.3g/m ² /24 hrs		ASTM E 96
Resistance to Aging after 2000 hours (Accelerated Weather -O-Meter)	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