

Technical Data Sheet

AWAZEL ASAD 1.6 CLPE

1.6mm thick, Self Adhesive Bituminous Membrane, bonded to a Cross Laminated HDPE

Description

A self adhering cold applied bituminous, vapor and water proof sheet membrane, bonded to cross laminated polyethylene sheet and protected with a peel-off siliconized release film at bottom side. 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 is required
- Self Adhesive, no gas torch is required
- Eliminate fire hazard
- Remarkable resistance to aggressive attack of salts and chemicals
- Excellent dimensional stability
- Excellent tear & puncture resistance

Functions

Used in a single layer as damproofing for bathrooms, tunnels, balconies, etc. and structural elements that are below the ground. It is also used in two layers for vertical and horizontal tanking in basements. Also used for pipe wrapping.

Instructions for Application

This membrane 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 insure 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 substrate should be cleaned and primed with AWAZEL PRIMER D41 and allowed to dry.

Coverage

1.12 m 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 1x 20 meters; special lengths are available upon request. The rolls are palletized and shrink-wrapped. The rolls can also be supplied in carton boxes, upon request.

Surfacing

Surfaced with a black coloured multi-layers cross-laminated polyethylene film at the top and a peel-off siliconized release film at the bottom side.

Storage & Material Handling

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

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TECHNICAL DATA

Properties	Typical Results	Test Method
Roll Size, m	10 x 1	UEAtc M.O.A.T. 31
Nominal Thickness, mm	1.6	UEAtc M.O.A.T. 31
Nominal Unit Weight, kg/ m ²	1.6	UEAtc M.O.A.T. 31
Coating Asphalt Type	SBS – Self Adhesive Compound	ASTM D 36 ASTM D 5
Softening Point (R&B), °C Penetration at 25 °C, 0.1 mm	>115 55 – 75	
Tensile Strength – Film, N/mm ² : Longitudinal Transversal	45 50	ASTM D 638
Tape Strength, N/mm: Longitudinal Transversal	4.5 5.0	ASTM D 638
Tensile Strength – Membrane N/5cm: Longitudinal Transversal	230 310	DIN 52123
Elongation, % : Longitudinal Transversal	310 220	ASTM D 638 DIN 52123
Tear Strength, N/mm : Longitudinal Transversal	350 320	DIN 53363 ASTM D 1004
Puncture Resistance & Deflection, N-mm	>200 – 70	ASTM E 154
Water Resistance after 24 hours, %	< 0.14	ASTM D 570
Water Resistance after 35 days, %	< 0.95	ASTM D 5147
Peel Strength, 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
Resistance to Waterpressure	No Leakage at > 4 bar (58 psi)	DIN 52123
Environmental Resistance	Conforms	ASTM D 543
Moisture Vapour Transmission Rate	0.3 g/m ² /24 hrs	ASTM E96

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.

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