

AWAZEL PY 40-180

4 mm thick, Oxidized Bituminous membrane, reinforced with non woven polyester mat

Description

Oxidized bituminous membrane, reinforced with non woven polyester mat. The polyester combines high tensile strength with an elongation above 40%.

Features

- Excellent bondability
- Good resistance to fatigue and tear
- Superior elongation
- Durable and easy to apply
- Remarkable resistance to aggressive attack of salts and chemicals

Functions

Used in a single layer as dampproofing for bath rooms and structural elements that are below ground, or in two layers for tankin in basements. It also can be used for a wide range of waterproofing applications including roofs, reservoirs, tunnels, etc.

Instructions For Application

These membranes can be installed fully bonded or loose-laid by torch welding. The substrate should be cleaned and primed with AWAZEL PRIMER D41 and allowed to dry. Torching should be done by skilled labor and should be controlled so that only the PE film is melted and the asphalt coating is sufficiently softened to bond the membrane. All lap joints should be smoothed and sealed using a heated roundnosed trowel. The heat of the gas flame should be applied to the troewl. In loose-laid applications, only the lap joints, areas around penetrations (pipes etc.), upstands and a 30cm wide strip around the perimeter of the work should be fully bonded. Upstands and flashings should be installed using 1m wide pieces cut from the length of the roll. (The overlap joints should be 5 to 10cm at the sides and 15cm at the end).

Coverage

1.12 m per layer for flat surfaces

Health & 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 personnel during application.

Precautions

No special precautions are needed.

Packing

Produced in rolls of 1 x 10 and 1 x 8 meter; special lengths are available upon request. Rolls are palletized and shrink-wrapped.

Surfacing

Surfaced with a polyethylene (PE) film on both sides.

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 is provided in between, two 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. 30
Nominal Thickness, mm	4.0	UEAtc M.O.A.T. 30
Unit Weight, Kg/m ² (Plain)	4.0	UEAtc M.O.A.T. 30
Carrier (Non Woven polyester), g/m ²	180	UEAtc M.O.A.T. 30
Coating Asphalt Type	Oxidized Asphalt	
Softening Point (R&B), °C	> 105	ASTM D 36
Penetration at 25 °C, dmm	20 - 35	ASTM D 5
Tensile Strength, N/5cm	*	
Longitudinal	750	DIN 52123
Transversal	600	
Elongation at Break, %	**	
Longitudinal	45	DIN 52123
Transversal	50	
Lap Joint Strength, N/5cm		UEAtc M.O.A.T. 30
Longitudinal	> 750	
Transversal	> 600	
Tear Resistance, N		
Longitudinal	300	ASTM D 4073
Transversal	250	
Load Strain Product		
Longitudinal	33,750	CGSB
Transversal	30,000	37-GP-56M
Cold Flexibility at 0 °C	No Cracking	DIN 52123
Heat Resistance at 80 °C	No Flowing	DIN 52123
Resistance at Waterpressure, 2 bar	No Leakage	DIN 52123
Water Absorption (BSP), %	< 3.2	ASTM D 5147

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.

** In accordance to the standard, a variation of 15 % is expected