

Technical Data Sheet

AWAZEL PY 40200 L

4 mm thick, SBS modified bituminous membrane, reinforced with 200 g/m² non woven polyester mat

Description

Polymer (SBS) modified bituminous membrane, reinforced with 200-g/m² non-woven polyester mat. The polyester combines high tensile strength with an elongation above 50 %.

Features

- Reasonable flexibility at low temperature
- Durable and easy to apply
- Stability at high temperature
- Remarkable resistance to aggressive attack of salts and chemicals
- High tensile strength and elongation
- Excellent tear and puncture resistance

Functions

Used in one or two layers as tanking in basements or for waterproofing of roofs. A single layer followed by a layer of PY 40200LM can be used for exposed roofs.

Instructions for Application

The membrane can be installed fully bonded or loose-laid by torch welding. The substrate should be cleaned and primed with AWAZEL PRIMER D 41 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 softened sufficient to bond the membrane. 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. In loose-

laid applications, only the lap joints, areas around penetrations (pipes etc.), Upstands and a 30 cm wide strip around the perimeter of the work should be fully bonded. Upstands and flashings should be installed using 1 M wide pieces cut from the length of the roll. (The overlap joints should be 5 to 10 cm at the sides and 15 cm at the end)

Coverage

1.12 m per layer for flat surfaces

Health & Safety

All safety measures should be taken during application. Fire extinguishers should be available in the site. Labor should wear personnel protective tools such as gloves and goggles during application.

Packing

It is produced in rolls of 1 x 10 meters; The rolls are palletized and shrink-wrapped.

Surfacing

Standard surfacing is fusible P.E. Film on both sides. Different combination of top surfacing are available upon request such as and, coloured minerals, aluminum foil etc...

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 is used 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	ASTM D 5147 UEAtc M.O.A.T. 31
Nominal Thickness, mm	4.0	ASTM D 5147 UEAtc M.O.A.T. 31
Nominal Unit Weight, kg/m ² (Plain)	4.0	UEAtc M.O.A.T. 31
Nominal Unit Weight, kg/m ² (Mineral)	4.5	
Carriers weight, g/m ² (polyester)	200	UEAtc M.O.A.T. 31
Coating Asphalt : Type Softening Point (R&B), °C Penetration at 25 °C, 0.1 mm	SBS Modified Asphalt >120 20 – 35	ASTM D 36 ASTM D 5
Tensile Strength, N/5cm Longitudinal Transversal	850 700	* UEAtc M.O.A.T. 31
Elongation at Break , % Longitudinal Transversal	45 50	** UEAtc M.O.A.T. 31
Tear Resistance, N : Longitudinal Transversal	400 350	ASTM D 5147 ASTM D 4073
Lap Joint Strength, N/5cm Longitudinal Transversal	>850 >700	UEAtc M.O.A.T. 31 & 27
Load Strain Product Longitudinal Transversal	42,500 38,500	CGSB-37 GP 56 M
Cold Flexibility at -5°C	No Cracking	DIN 52123
Heat Resistance at 90 °C	No Flowing	DIN 52123
Resistance to Waterpressure, 2 bar (29 psi)	No Leakage	DIN 52123
Water Absorption,	<0.15	ASTM D 5147
Puncture Resistance	Static : L ₃ (Not punched at 15 kg load) Dynamic : I ₃ (Not perforated at 8-10- 12 mm indenter)	UEAtc M.O.A.T. 27

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.