

Technical Data Sheet

AWAZEL PY40200

Oxidized bituminous membrane, reinforced with 200 g/m² Non Woven Polyester and surfaced with PE Film on both sides

Description

Oxidized bituminous membrane, reinforced with non woven polyester mat.

Features

Excellent Bondability
Durable and easy to apply
Remarkable resistance to aggressive attack of salts and chemicals
Reasonable Tensile strength and elongation
Good tear and puncture resistance.

Functions

Used as single or double layers for damp-proofing of bathrooms, kitchens and other structural elements that are below ground; and in double layers for tanking in basements. It is also can be used for other waterproofing applications including tunnels, reservoirs, etc...

Instructions for Application

The membranes 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 meter 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; special lengths are available upon request. The rolls are palletized and shrink-wrapped.

Surfacing

Surfaced with fusible HDPE Film at both sides.

Storage & Material Handling

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

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TECHNICAL DATA

Properties	Typical Results	Test Method	
Roll Size, m	10 x 1	UEAtc MOAT 30 ASTM D 5147	
Nominal Unit Weight, kg/m ²	4.0	UEAtc MOAT 30 ASTM D 5147	
Carrier (Polyester) Weight, g/m ²	200	UEAtc MOAT 30	
Coating Asphalt Type	Oxidized Asphalt		
Softening Point, °C	>105	ASTM D 36	
Penetration at 25 °C, dmm	15 - 30	ASTM D 5	
Tensile Strength, N/5cm	Longitudinal Transversal	900 * 700	UEAtc MOAT 30
Elongation, %	Longitudinal Transversal	40 ** 45	UEAtc MOAT 30
Tear Resistance, N:	Longitudinal Transversal	400 300	ASTM D 4073
Lap Joint Strength, N/5cm :	Longitudinal Transversal	>900 >700	UEAtc M.O.A.T. 30 UEAtc M.O.A.T. 27
Load Strain Product:	Longitudinal Transversal	36,000 31,500	CGSB 37-GP 56 M
Cold Flexibility at 0 to +5 °C	No Cracking	DIN 52123	
Heat Resistance at 80 °C	No Flowing	DIN 52123	
Resistance to Waterpressure	No Leakage	DIN 52123	
Water Absorption, %	<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.

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