



PY MEMBRANES

PY 30, PY 40, PY 50

Oxidized, polyester carrier

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 tanking 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 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 1m 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 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 1x10 and 1x8 meters; 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.



Control No.: M120701

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TECHNICAL DATA

Properties	Typical Results			Test Method
	PY 30	PY 40	PY 50	
Roll Size, m	10 x 1	10 x 1	8 x 1	UEAtc, M.O.A.T. 30
Unit Weight, kg/m ² (Plain)	3.0	4.0	5.0	UEAtc, M.O.A.T. 30
Carrier (non woven polyester) Weight, g/m ²	150	180	200	UEAtc, M.O.A.T. 30
Coating Asphalt Type Softening Point (R&B), °C Penetration at 25°C, 0.1 mm	Oxidized Asphalt > 105 20 - 35			ASTM D 36 ASTM D 5
Tensile Strength, N/5 cm Longitudinal Transversal	* 600 400	* 750 600	* 850 650	DIN 52123
Elongation at Break, % Longitudinal Transversal	** 45 50	** 45 50	** 45 50	DIN 52123
Lap Joint Strength, N/5 cm Longitudinal Transversal	> 600 > 400	> 750 > 600	> 850 > 650	DIN 52123
Tear Resistance, N Longitudinal Transversal	250 200	300 250	350 300	ASTM D 5147 ASTM D 4073
Load Strain Product Longitudinal Transversal	27,000 20,000	33,750 30,000	38,250 32,500	DIN 52123
Cold Flexibility at 0°C	No Cracking			DIN 52123
Heat Resistance at 80°C	No Flowing			DIN 52123
Resistance to Waterpressure, 2 bar (29 psi)	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.