



Technical Data Sheet

PY MEMBRANES

PY 30, PY 40, PY 50

Oxidized bituminous membrane, reinforced with Polyester mat

DESCRIPTION

Oxidized bituminous membrane, reinforced with polyester mat. The Polyester combines high tensile strength and elongation.

FEATURES

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

FUNCTIONS

Used in a single and/or double layers as damp-proofing of bathrooms and structural elements that are below ground. Or in two layers for tanking in basements. It also can be used for other waterproofing applications including reservoirs, tunnels 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 and 1 x 8 meters; special lengths are available upon request. The rolls are palletized and shrink-wrapped.

SURFACING

Surfaced with P.E. on 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.

MR081604

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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	ASTM D 5147
Unit Weight (Plain), kg/m ²	3.0	4.0	5.0	ASTM D 5147
Carrier Polyester, g/m ²	150	160-180	180-200	UEAtc M.O.A.T.30
Coating Asphalt Type	Oxidized Asphalt			
Softening Point, °C	105			ASTM D 36
Penetration at 25°C, 0.1 mm	20 - 35			ASTM D 5
Tensile Strength, N/5cm	*	*	*	
Longitudinal	500	600	700	ASTM D 5147
Transverse	400	500	600	ASTM D 146
Elongation, %	40 **	40 **	40 **	
Longitudinal	40	40	40	ASTM D 5147
Transverse	40	40	40	ASTM D 146
Tear Resistance, N: Longitudinal	250	300	350	
Transverse	200	250	300	ASTM D 4073
Lap Joint Strength, N/5cm	Same as Membrane			
Longitudinal & Transverse				UEAtc M.O.A.T.30 & 27
Cold Flexibility at 0 to +5 °C	No Cracking			UEAtc M.O.A.T.30
Heat Resistance at 80 °C	No Flowing			UEAtc M.O.A.T.30
Resistance to Water Pressure	No Leakage			DIN 52123
Water Absorption, %	≤ 3.2			ASTM D 5147
Dimensional Stability, %	≤ 1.0			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.

Refer TDS Control Nos. SA011604, SA021604 & SA031604 for Supporting Accessories