



Technical Data Sheet

PYL MEMBRANES

PY30L, PY30LM, PY30200L, PY30200LM, PY40L, PY40LM, **PY40200L**,
 PY40200LM, PY40250L, PY40250LM, PY50180L, PY50180LM, PY50200L &
 PY50200LM, PY50250L & PY50250LM
 SBS Mixed Polymer modified bituminous membrane, reinforced with Polyester mat

DESCRIPTION

SBS Mixed Polymer Modified bituminous membrane, reinforced with non woven polyester mat the polyester combines high tensile strength and elongation. The special polymer modifier used has great resistance to ultra-violet radiation.

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 10cm at the sides and 15 cm at the end)

FEATURES

- Good flexibility and stability at high temperature.
- Durable and easy to apply.
- Remarkable resistance to aggressive attack of salts and chemicals.
- High tensile strength, elongation.
- Excellent tear and puncture resistance

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.

FUNCTIONS

Used as double layers for tanking in basements and single and/or double layers for waterproofing of roofs. A plain layers followed by a layer of mineral surfaced PYL should be used as exposed layer.

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.

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 loosed-laid applications, only the lap joints, areas around penetrations (pipes etc.), upstands and a 30 cm

SURFACING

Surfaced with P.E. Film on both sides. Mineral surfaced membrane is surfaced with mineral granules (slate) on top and PE Film at bottom side and at overlap side to facilitate torching.

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.

MR071604

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TECHNICAL DATA

Properties	Typical Results								Test Method
	PY30L PY30LM	PY30200L PY30200LM	PY40L PY40LM	PY40200L PY40200LM	PY40250L PY40250LM	PY50180L PY 50180LM	PY50200L PY 50200LM	PY50250L PY 50250LM	
Roll Size, m	10 x 1	10 x 1	10 x 1	10 x 1	10 x 1	8 x 1	8 x 1	8 x 1	ASTM D 5147
Thickness, mm	3.0	3.0	4.0	4.0	4.0	5.0	5.0	5.0	ASTM D 5147
Unit Weight (Plain), kg/m ²	3.0	3.0	4.0	4.0	4.0	5.0	5.0	5.0	ASTM D 5147
Unit Weight (Mineral), kg/m ²	3.5	3.5	4.5	4.5	4.5	5.5	5.5	5.5	ASTM D 5147
Carrier (Polyester), g/m ²	150-160	200	160-180	200	250	180	200	250	UEAtc MOAT 31
Coating Asphalt Type	Polymer Modified Asphalt								
Softening Point, °C	120								ASTM D 36
Penetration at 25°C, 0.1 mm	15 - 30								ASTM D 5
Tensile Strength, N/5cm	*	*	*	*	*	*	*	*	
Longitudinal	650	750	750	800	900	800	850	950	ASTM D 5147
Transverse	450	500	600	650	700	650	700	800	ASTM D 146
Elongation, % : Longitudinal	40								ASTM D 5147
Transverse	45								ASTM D 146
Tear Resistance, N:									
Longitudinal	325	400	400	450	500	450	500	550	ASTM D 4073
Transverse	325	350	350	400	450	400	400	450	
Lap Joint Strength, N/5cm	Same as Membrane								ASTM D 4073
Longitudinal & Transverse									
Load Strain Product:									
Longitudinal	26,000	30,000	30,000	32,000	36,000	32,000	34,000	38,000	ASTM D 4073
Transverse	20,250	22,500	27,000	29,250	31,500	29,250	31,500	36,000	
Cold Flexibility at 0 to - 5 °C	No Cracking								UEAtc M.O.A.T. 31
Heat Resistance at 90 °C	No Flowing								UEAtc M.O.A.T. 31
Resistance to Water Pressure	No Leakage								DIN 52123
Water Absorption (BSP), %	≤ 3.2								ASTM D 5147
Static Puncture Resistance	L3 (15 kg)								UEAtc M.O.A.T. 27
Dynamic Puncture Resistance	13 (8-12mm indenter)								UEAtc M.O.A.T. 27
Dimensional Stability, %	≤ 1.0								ASTM D 5147
Moisture Content (W.V.T.), %	≤ 1.0								ASTM E 96

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

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