Elastoizol® Tropical Polyester

Elastoizol 160 gr

PRODUCT DATA SHEET

DESCRIPTION

ELASTOIZOL TROPICAL STANDARD modified bitumen APP & SBS, with elastomers designed to withstand high temperatures in **tropical climates**. Approved for one-ply system membrane. The finish granules are modified to resist UV rays. No need a protection coating. The polymers are reinforced with a tough, dimensionally stable non-woven polyester mat. Underside are surfaced with polyolefin burn-off film to optimize heat welding.

STORAGE & HANDLING

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of ELASTOIZOL TROPICAL STANDARD - 4.0

APPLICATION

Prior to installation, unroll ELASTOIZOL TROPICAL STANDARD onto the roof surface and allow to relax. Position the roll in a desired position and back roll the product. SELASTOIZOL TROPICAL STANDARD is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to ELASTOIZOL TROPICAL STANDARD via heat welding.

APPLICATION

QUICK FACTS

HEAT-WELDED

LENGTH (m) / ft	WIDTH (m) / in	COVERAGE* (m^2) / ft^2	ROLL WEIGHT (kg) / lb	ROLLS/ PALLET	THICKNESS APROX. (Mils) / mm.
10.0 / 32.8	1.0 / 39.4	9.1 / 97.9	40 / 88	32	140 / 3.5

* Coverage rate as reported assumes installation using side and end lap recommendations.

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TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and APP & SBS polymers
Surfacing	Mineral granules
Back surfacing	Polyolefin film
Side lap, mm.	76
End lap, mm.	152

PHYSICAL PROPERTIES		
PROPERTY	MD	XMD
Peak load @ -18°C, kN/m	20.1	15.8
Elongation at peak load @ -18°C, %	35	40
Peak load @ 36°C, kN/m	14.9	11.4
Elongation at peak load @ 36°C, %	55	60
Ultimate elongation @ 36°C, %	65	80
Tear strength @ 30°C, lbf (N)	650	378
High temperature flexibility, °C	78	78
Dimensional stability, %	< 0.5	< 0.5
Compound stability, °C	150	150

* Data is represented by average values, unless noted otherwise.

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