BITUROLL-S

SBS modified bitumen waterproofing membrane

PRODUCT OVERVIEW

Polyester-reinforced SBS modified bitumen membrane for waterproofing concrete substructures, roofs, terraces and similar structures. Flexible at low temperature and stable at atmospheric temperatures, impermeable to water and easy to work around contours.

TYPICAL SPECIFICATION

Characteristic	Units	Typical value	Test method
Types	-	**3160, 4160 | 3180, 4180, 5180 | 4200, 5200 | 4250, 5250**	-
Thickness	-	**3.0, 4.0 | 3.0, 4.0, 5.0 | 4.0, 5.0 | 4.0, 5.0 mm**	DIN EN 1849-1
Mass per unit area, 3 mm	-	**3.0 to 3.3 kg/m² (3160, 3180)**	DIN EN 1849-1
Mass per unit area, 4 mm	-	**4.0 to 4.3 kg/m²**	DIN EN 1849-1
Mass per unit area, 5 mm	-	**5.0 to 5.3 kg/m² (types 5180, 5200, 5250)**	DIN EN 1849-1
Reinforcement (polyester)	-	**160 | 180 | 200 | 250 g/m²**	DIN EN 1849-1
Coating asphalt	-	**Styrene butadiene styrene (SBS) polymer modified asphalt**	-
Softening point (R&B)	-	**> 155°C**	ASTM D36 / DIN EN 1427
Penetration at 25°C	-	**20 to 40 (0.1 mm)**	ASTM D5 / DIN EN 1426
Tensile strength (long/trans)	-	**500/350 | 800/600 | 850/650 | 1100/800 N/5cm**	DIN EN 12311-1
Elongation at break (long/trans)	-	**30/45 | 40/50 | 40/50 | 40/50 %**	DIN EN 12311-1
Shear resistance at joints (long/trans)	-	**> 500/350 | > 800/600 | > 850/650 | > 1100/800 N/5cm**	DIN EN 12317-1
Tear resistance (long/trans)	-	**140/170 | 180/200 | 200/220 | 220/240 N**	DIN EN 12310-1
Puncture resistance	-	**> 450 | > 500 | > 650 | > 1100 N**	ASTM E154
Resistance to static loading	-	**Static: L25**	DIN EN 12730
Resistance to water pressure at 5 bar	-	**No leakage**	BS EN 12390
Water absorption	-	**< 0.2%**	ASTM D5147
Heat resistance at 80°C	-	**No flow**	DIN EN 52123

Low-temperature flexibility at 0°C	-	**No crack**	ASTM D5147
Resistance to ageing	-	**No deterioration**	ASTM G53
Dimensional stability	-	**< 0.3%**	DIN EN 1107
Roll size and weight	-	**1 m x 10 m: about 30 kg (3 mm), about 40 kg (4 mm)**	-

SUPPLY AND PACKING

Rolls palletised for transport. Packing, quantity and destination are confirmed at the enquiry stage. FOB is quoted from Jebel Ali, Port Khalid and Sharjah Hamriyah; CFR and CIF are available on request.

DOCUMENTATION

Technical data sheet, safety data sheet and certificate of origin are available with every order. Project-specific approvals are confirmed at enquiry.

NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.