NUROIL TRADING
Sharjah, United Arab Emirates

BITUROLL-S

SBS modified bitumen waterproofing membrane

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)** -

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.