



Technical Data Sheet



Product: PVC - BSL

Date Revised: 1/14/2018

Sepanta group
Waterproofing Dep.

TWO-COLOURED PVC-P MEMBRANE FOR UNDERGROUND WORKS

CHARACTERISTICS			
	Standard	BSL 2.0	BSL 3.0
Thickness (mm)	EN 1849-2	2.0 (±5%)	3.0 (±5%)
Mass per unit area (kg/mm ²)	EN 1849-2	2.6	3.9
Tensile strength (N/mm ²)			
longitudinal	EN ISO 527-3	> 15	
transversal	EN 12311-2	> 14	
Elongation at break (%)			
longitudinal	EN ISO 527-3	> 300	
transversal	EN 12311-2	> 280	
Water permeability			
after 6 hrs at 0.5Mpa	EN 1928 (B)	Watertight	
	EN 14150	< 10 ⁻⁶ m ³ m ⁻² d ⁻¹	
Static puncture resistance (N)	EN ISO 12236	> 2200	> 3400
(kg)	EN 12730	> 20	> 20
Tear strength (N)	EN 12310-1	> 150	> 225
(N/mm)	ISO 34	≥ 45	≥ 45
	sample fig.2		
Cold bending (°C)	EN 495/5	≤ -25	
Resistance to perforation by roots	CEN TS 14416	No perforation	
Resistance to oxidation			
variation in tensile strength (%)	EN 14575	≤ 25	
Reaction to fire	EN 13501-1	E	
Joint strength (N/50mm)	EN 12317-2	> 1000	> 1500
Resistance to impact (mm)	EN 12691	≥ 750	≥ 1100
Durability			
After thermal Ageing	EN 1296	Watertight at 2kPa and 60 kPa	
After immersion in chemicals	EN 1847	Watertight at 2kPa and 60 kPa	

PRODUCTION STANDARD

Thickness	2.0mm	3.0mm
Number of rolls on each pallet	18	11
Roll length / width	20ml (other lengths available on request) / 2.10ml	
Available colours	Light green (surface)/ Dark Grey (underside)	

Certificate	NPO Fire Center Certification		
MAIN ADVANTAGES	Excellent weldability, Includes a signal layer, High resistance to attack by micro-organisms and perforation by roots		
Usage Application	Tunnels and buried galleries, Cut and cover tunnels, Underground works, Coverings of buried structures and Underground car parks		
Category According to BS 8102 (2009)	<input checked="" type="checkbox"/> Type A	<input type="checkbox"/> Type B	<input type="checkbox"/> Type C

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