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TEST REPORT / TECHNICAL PARAMETER

ASTM STANDARD HDPE CROSS-LAMINATION (XL) SELF-ADHESIVE

SERIES NAME : RUMBA BITUMEX RG XL 3000/STOPER RG XL 3000/LIBERO RG XL3000 MEMBRANE

SERIAL	ITEMS	UNIT	Property
1	Thickness	mm	
	Top Surface (HDPE XL Film)		0.10
	Reinforcement (fiberglass mesh) & bitumen composite		1.40
2	Mass Per Unit Area (With fiberglass mesh)	kg/m ²	1.6+0.15 (-3/+3%) (With fiberglass mesh, + 0.15)
3	Tensile Strength	Mpa	
	Longitudinal		≥ 3.55
	Transverse		≥ 3.6
4	Cold Flexibility	°C	Minus 20 °C no cracking
5	Elongation (Compound)	%	± 1250
6	Adhesion to primed concrete	N/mm	4.0
7	Tear Resistance (min)	MPa N/mm ²	3.8
8	The Puncture Resistance	N	220 No seepage occurred
9	Cycling Over Crack		@-35°C (100 Cycles) No Effects
10	Hydrostatic Pressure		≥ 3.5 bar (50m) No Leakage
11	Water Absorption (Film)		≥ 0.10 % @24hrs
12	Water vapor transmission		≥ 0.10 g/m ² /24hrs
13	Chemical Resistance		2.5-11.5 pH
a. No requirement for high temperature resistance of un-exposed applications.			
b. The test on adhesion to primed concrete is type inspection.			



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