

## Product Description

**Insuwrap** PVC 1500 WMR is a calendered high polymer waterproofing membrane, (thickness 1.50 mm) reinforced with polyester mesh, not compatible with bitumen, manufactured to the highest International standards offering high physical properties and long term durability. **Insuwrap** 1500 WMR is manufactured using the best raw materials produced by SABIC.

Test	ASTM D 4434 STANDARD Requirements	Results, 1500 WMR
Overall thickness of PVC sheet, min, mm	1.5	
Tensile strength at break, min, MP a (psi): Machine direction	10.4 (1500)	>13.0 (1875)
Cross-machine direction	10.4 (1500)	>13.0 (1875)
Elongation at break, min, % Machine direction	250	>300
Cross-machine direction	220	>300
Seam strength, min, % of tensile or breaking strength	75	>82
Retention of properties after heat aging: Tensile strength, min, % of original	90	>90%
Elongation, min, % of original	90	>90%
Tear resistance, min, N (bf)	45.0 (10.0)	>90
Low temperature bend	pass	pass
Accelerated weathering test: Cracking ( 7 x magnification )	none	none
Crazing ( 7 x magnification )	none	none
Linear dimensional change, max, %	0.1	< 0.07
Change in weight after immersion in water, max, %	+3.0	< +1.0
Static Puncture Resistance	pass	pass
Dynamic Puncture Resistance	pass	pass
Fire Class	ASTM E108	Pass (Class B)

Test	DIN 16735 STANDARD Requirements	Results, 1500 WMR
Thickness (mm)		1.50
Mass (kg/m <sup>2</sup> )		1.96
Tensile strength (N/mm <sup>2</sup> )	Min 8.0 N/mm <sup>2</sup>	> 12.0
Elongation at break	Min 150%	> 300%
Thermal stability (6hrs - 90°C)	Less than 1%	<0.1%
Tear Strength(N)	Min 80 N	> 100N
Puncture resistance	Drop hammer 500gms, from 300mm no leak	Passed
Water vapour defusion resistance (u)	Less than 30,000	< 22,000
Cold bend	No cracks at -20°C	No cracks at - 30°C
Resistance to Algea & rot		High resistance
Fire class	DIN 4102	Pass (Class B2)