

## ELASPHALT 4170 Slated Grey

**AN SBS TYPE MODIFIED BITUMINOUS MEMBRANE OF 4MM THICK WITH 180 G/M2 POLYESTER REINFORCEMENT AND WITH NATURAL SLATE ON TOP SURFACE**

Tests Performed – As per ASTM	Procedure	Units	Tolerance	Value
Length		m	<-1%	10
Width		m	<-1%	1
Thickness	ASTM D5147	mm	-0.2mm	4.10
Tensile Properties : Max Tensile Force-Long	ASTM D5147	N/50mm	-20%	850
-Trans	ASTM D5147	N/50mm	-20%	700
Tensile Properties : Elongation -Long	ASTM D5147	%	-15	50
-Trans	ASTM D5147	%	-15	55
Resistance to Tearing -Long	ASTM D5147	N	min	450
-Trans	ASTM D5147	N	min	370
Lap Joint Strength -Long	ASTM D5147	N/5cm	-20%	850
-Trans	ASTM D5147	N/5cm	-20%	700
Flexibility at Low Temperature	ASTM D5147	C	min	-5
Dimensional Stability at 80C -Long	ASTM D5147	%	mlv	-0.5
-Trans	ASTM D5147	%	mlv	-0.5
Water Absorption (n/a slate)	ASTM D5147	%	mlv	<0.15

Tests Performed – As per CE	Procedure	Units	Tolerance	Value
Visible Defects	EN 1850-1	No./m <sup>2</sup>	0	0
Length	EN 1848-1	m	<-1%	10
Width	EN 1848-1	m	<-1%	1
Straightness	EN 1848-1	mm	<20mm	pass
Mass Per Unit Area	EN 1849-1	kg/m <sup>2</sup>	+/- 10%	4.60
Thickness	EN 1849-1	mm	-0.2mm	4.10
Water Tightness to Liquid Water Method B	EN 1928-1	mlv	>400kPa	pass
Tensile Properties : Max Tensile Force-Long	EN 12311-1	N/5cm	-20%	850
-Trans	EN 12311-1	N/5cm	-20%	700
Tensile Properties : Elongation -Long	EN 12311-1	%	-15	50
-Trans	EN 12311-1	%	-15	55
Resistance to Tearing (Nail Shank) -Long	EN 12310-1	N	min	230
-Trans	EN 12310-1	N	min	240
Shear Resistance of Joint -Long	EN 12317-1	N/5cm	-20%	850
-Trans	EN 12317-1	N/5cm	-20%	700
Resistance to Static Loading (method A)	EN 12730	kg	min	20
Resistance to Impact	EN 12691	mm	mlv	>700
Flexibility at Low Temperature	EN 1109	C	min	-5
Dimensional Stability -Long	EN1107-1	%	max	-0.5
Flow Resistance less than 2mm	EN1110	C	mlv	100
Reaction to Fire	EN 13501-1		Euroclass	F