



VANGUARD 95 FF

MODIFIED BITUMEN BASE SHEET

DESCRIPTION

Vanguard 95 FF is composed of a reinforced mat of high strength non-woven fiberglass and SBS modified bitumen for superior flexibility and stability. Both the underside and surface are covered with a micro thermo-fusible poly film for heat welding.

USE

Vanguard 95 FF is used as the field base sheet in a two ply modified bituminous membrane system for new, retrofit and re-roofing construction.

APPROVALS & COMPLIANCES

When used with a cap sheet, this product will easily satisfy the requirements of CGSB-37.56-M, as well as the requirements of ASTM D6163 for Type I, Grade S materials.



TECHNICAL DATA

CHARACTERISTIC	UNITS	NOMINAL VALUE	SPECIFICATION	TEST METHOD**	STANDARD LIMITS	
Rolls Per Pallet	-	32	-	-	-	
Pallet Size	cm (in)	132 x 112 (52 x 44)	-	-	-	
Length	m (ft)	15 (49)	-	-	±1%	
Width	mm (in)	1005 (39.6)	-	-	± 3 (1/48)	
Area	m ² (ft ²)	15 (161)	-	-	-	
Thickness	mm (mils)	2.2 (87)	-	-	± 0.4 (16)	
Lines	mm (in)	90 (3.5) 500 (19.7)	-	-	± 5 (1/4)	
Cold Flex	°C (°F)	PASS	ASTM D6163	ASTM D5147	Min: -18 (0)	
Tensile Strength	MD: XD:	kN/m (lbf/in)	PASS PASS	ASTM D6163	ASTM D5147	Min: 5.3 (30)
Ultimate Elongation	MD: XD:	%	PASS PASS	ASTM D6163	ASTM D5147	Min: 3
Tear Strength	MD: XD:	N (lbf)	PASS PASS	CGSB-37.56-M	CGSB-37.56-M	Min: 20 (4.5)*
Tensile-Tear	MD: XD:	N (lbf)	PASS PASS	ASTM D6163	ASTM D5147	Min: 156 (35)
Lap Strength 5D @ 23°C	MD : XD:	kN/m (lbf/in)	PASS PASS	CGSB-37.56-M	CGSB-37.56-M	Min: 4 (23)*

* CGSB-37.56-M revision, 9th draft, dated January 1997.

** Although both ASTM and CGSB may have requirements for a particular test, only the more stringent is indicated.

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