



VANGUARD 250 5 mm TC

MODIFIED BITUMEN CAP SHEET

DESCRIPTION

Vanguard 250 5 mm TC is composed of a heavy duty non-woven polyester enhanced with glass fiber strands and selected SBS modified bitumen for superior flexibility and stability. The cap sheet contains a ceramic coated mineral granule surface to protect against UV radiation and for enhanced surface durability. The underside is covered with a micro thermofusible poly film for heat welding.

USE

Vanguard 5 mm 250 TC is used as the field cap sheet and cap sheet flashing in a two ply modified bituminous membrane, retrofit and re-roofing construction.

APPROVALS & COMPLIANCES

This product will easily satisfy the requirements of CGSB-37.56-M for Class G, Type 2 and Grade 2 materials as well as the requirements of ASTM D6164 for Type II, Grade G 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)	8 (26.2)	-	-	±1%	
Width	mm (in)	1005 (39.6)	-	-	± 6 (1/4)	
Area	m ² (ft ²)	8 (86)	-	-	-	
Thickness	mm (mils)	5.0 (197)	-	-	± 0.4 (16)	
Granule Loss	g	PASS	ASTM D6164	ASTM D5147	Max: 2.0	
Cold Flex	°C (°F)	PASS	ASTM D6164	ASTM D5147	Min: -18 (0)	
Strain Energy @ 23°C	MD: XD:	kN/m	PASS PASS	CGSB-37.56-M	CGSB-37.56-M	Min: 5.5*
Tensile Strength	MD: XD:	kN/m (lbf/in)	PASS PASS	ASTM D6164	ASTM D5147	Min: 17.5 (100)
Ultimate Elongation	MD: XD:	%	PASS PASS	ASTM D6164	ASTM D5147	Min: 60
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 D6164	ASTM D5147	Min: 311 (70)
Lap Strength 5D @ 23°C	MD : XD:	kN/m (lbf/in)	PASS PASS	CGSB-37.56-M	CGSB-37.56-M	Min: 4 (23)*
Static Puncture		N (lbf)	PASS	CGSB-37.56-M	CGSB-37.56-M	>150 (34)*

*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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