

Viking Enviroclad FBS

Product Information

Description

Viking Enviroclad FBS (Fleece-backed System) is a membrane made by factory-laminating 1.4mm of polyester fleece-backing to 1.14mm of Enviroclad. This system (3.6m wide) is made for installing over old bitumen roofs or rough surfaces; especially concrete. Viking Enviroclad FBS renders a 33% greater puncture resistance than most modified bitumen systems.

Viking Enviroclad FBS is manufactured in the USA by Carlisle SynTec Systems.

Dimensions

Thickness	Roll width	Roll length	Colour	Code
2.5mm	3.6m wide	30.4m long *	Grey	STP204

* like Enviroclad and Dec-K-ing, Enviroclad FBS is sold by the lineal metre



Physical Properties

Physical Property	Test Method	SPEC (Pass)	Sure-Weld Typical
Thickness Over Fleece, Min, in (mm)	ASTM D 751		
SWFB100	Annex	.0405 (1.012)	.045 (1.143)
SWFB115		.054 (1.350)	.060 (1.524)
Weight, lb, m/ft ² (km ²)		
SWFB100			0.28 (1.4)
SWFB115			0.39 (1.9)
Breaking Strength, min, lbf (kN)	ASTM D 751 Grab Method	255 (1.0)	400 (1.8)
Elongation at Break of Internal Fabric %	ASTM D 751		25
Tearing Strength, min, lbf (N)	ASTM D 751 B Tongue Tear	55 (245)	130 (578)
Brittleness Point, max, °F (°C)	ASTM D 2137	-40 (-40)	-50 (-46)
Resistance to Heat Aging *	ASTM D 573		
Properties after 4 weeks @ 240°F (116 °C) for Sure-Weld			
Breaking Strength, min, lbf (kN)	ASTM D 751	225 (1.0)	400 (1.8)
Elongation, at Break of Internal Fabric, %	ASTM D 751		25
Linear Dimensional Change, max %	ASTM D 1204	±1.0	-0.5
Ozone Resistance*, 100pphm, 168 hrs	ASTM D 1149	No Cracks	No Cracks
Resistance to Water Absorption*	ASTM D 471	4.0**	2.0**
After 7 days immersion @ 158°F (70°C)			
Change in mass, max, %			
Resistance to Outdoor (UV) Weathering*	ASTM G 26	No Cracks	No Cracks
Xenon-Arc, 17,640 kJ/m ² total radiant Exposure at 0.7. W/m ² irradiance 176°F (80°C) black panel temp.	Conditions	No Loss of Breaking Or Tearing Strength	No Loss of Breaking Or Tearing Strength
Resistance to Microbial Surface Growth, Rating (1 is very poor, 10 is no growth)	ASTM D 3274 2 yr S. Florida		9-10 typical
Field Seam Strength, lbf/in. (kN/m)	ASTM D 1876	40 (7.0) min	60 (10.5) typical
Seam Tested in Peel			
Water Vapour Permeance, Perms	ASTM E 96	0.10 max	0.05 typical
Puncture Resistance, lbf (kN)	FTM 101		
SWFB 100	Method 2031	250 (1.1) min.	400 (1.8) typical
SWFB 115			450 (2.0) typical

* Not a quality control test due to the time required for the test or the complexity of the test. However, all test are run on a statistical basis to ensure overall long-term performance of the sheeting.

FAST Adhesive

Typical Properties and Characteristics

Base	100-A and 100-LV A Polymeric Isocyanate	100-B Polyols, Surfactants and Catalysts	100-LV B Polyols, Surfactants and Catalysts
Mixing Ratios by Volume	1:1 Part A to Part B		
Viscosity (CPS @ 25C)	250	1100	300-500
Avg. Net Weight	10.25 lbs/gal	9 lbs/gal	9 lbs/gal
Packaging	15-gallon drum (57L) 50-gallon drum (190L)**	15-gallon drum (57L) 50-gallon drum (190L)	15-gallon drum (57L) 50-gallon drum (190L)
Shelf Life	1 year	6 months*	9 months*
Temperature Requirements (Substrate & Ambient)		Min. 40°F	Min. 32°F (Heated Equipment) Min. 60°F (Unheated Equipment)

*Can be extended to one year by adding FAST Catalyst after six months.

** Fast Adhesive is also applied in dual 750ml cartridges (parts A and B) with proprietary caulking guns (see image below)

FAST Adhesive Application



Application of dual cartridges with proprietary caulking gun

Viking Enviroclad FBS Cross Reference

Typical Architectural Details

Please refer to Viking Enviroclad section - page 6.15

System Accessories

Please refer to Viking Enviroclad section - page 6.21

Product Warranty

Please refer to Viking Enviroclad section - page 6.25