



Viking Epiclad FBS

Product Information

Description

Elastomeric Rubber Roofing and Waterproofing Membrane.

FBS Membranes are a fleece-backed membrane of EPDM (Ethylene Propylene Diene Terpolymer). The polyester fibre matt backing is an integral part of the material designed to allow the sheet to be applied to a number of different substrates.

Epiclad FBS is manufactured in the USA by Carlisle Syntec Systems.

General Area of Application

Primarily for the retrofit of large roof areas, FBS requires no stripping of the existing substrate and can be applied to a wide range of different substrates (see specification/application section).

Dimensions

Thickness (mm)	Roll Width (mm)	Roll Length (m)	Weight (kg/m ²)
1.14*	3.0	15.2	1.74

* 2.5mm thick including fleece.

Finishes and Colours

Smooth finish. Black (white available on indent only).



Ref No. 4422 SR

Viking Epiclad FBS Physical Properties

Minimum requirements for Viking fleece backed black EPDM rubber sheets for use in roofing applications.

Physical Property	ASTM Test Method*	Minimum Requirements	Typical
Rubber Thickness, min (mm)	ASTM D 761	0.762	1.143
Breaking Strength, min (N)	ASTM D 751	400	890
Elongation, ultimate, min, %	ASTM D 412 Grab Method	300**	480**
Tearing Strength, min (N)	ASTM D 751 B Tongue Tear	45	200
Brittleness Point, max °C	ASTM D 2137	-45	-55
Resistance to heat ageing* Properties after 4 weeks at 116°C	ASTM D 573 ASTM D 751		
Breaking strength, min (N)	ASTM D 412**	356	1112
Elongation, ultimate, min %	ASTM D 1204	200**	225**
Linear Dimensional Change, max, %		±1.0	-0.7
Ozone Resistance* Condition after exposure to 100pphm Ozone in air for 168 hours at 40°C Specimen is at 50% strain	D 1149	No cracks	No cracks
Resistance to Water Absorption* After 7 days in immersion at 70°C Change in mass, max %	ASTM D 471**	+8 – 2**	2.0**
Resistance to Outdoor (ultraviolet) Weathering* Xenon-Arc, 7560 kj/m ² total radiant exposure at 0.70 W/M ²	GASTM G 26	No cracks No crazing	No cracks No crazing

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

** Specimens to be prepared for the coating rubber compound.

Epiclad FBS Cross-reference



The information listed below is identical for Epiclad FBS, Epiclad and Butylclad rubber membranes, so can be found in the Butylclad section.



BRANZ Appraisal no 307	1.9
Typical Architectural Details	1.15
Membrane System Accessories	1.21
Membrane Care and Maintenance Guide	1.27
Membrane Paint Systems	1.29
Viking Rubber Membranes Product Warranty	1.31