RubberGard EPDM Roofing Membrane

1. Description

The Firestone RubberGard EPDM membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The sheet is made of two plies of standard compound.

2. Preparation

Roofing structure needs to be stable enough to support the temporary loading. Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5 mm wide shall be properly filled with an acceptable fill material.

3. Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Install the RubberGard EPDM membrane in accordance with the installation instructions and details.

4. Coverage

The dimensions of the membrane are calculated to cover the substrate, including seam overlaps (100 mm for standard seams - 200 mm for seams with batten in the seam) and upstands. Provide an additional length (150 mm) at upstands for easy manipulation.

5. Characteristics

Physical

- Excellent resistance to U.V. and ozone.
- Temperature stable from -45°C to 130°C.
- Retains its elasticity at low temperature and resistant to temperature shocks up to 250°C.
- Excellent resistance to alkali rains, less resistant to oil products. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided.

Technical	**Test Method**	**Declared value**
■ Thickness	EN 1849-2	1.1 mm
		1.5 mm
■ Watertightness	EN 1928 (B)	pass
■ Tensile strength (L/T)	EN 12311-2 (B)	≥ 8 N/mm²
■ Elongation (L/T)	EN 12311-2 (B)	≥ 300%
■ Resistance to static load - soft substrate	EN 12730 (A)	≥ 25 kg
■ Resistance to static load - hard substrate	EN 12730 (B)	≥ 25 kg
■ Resistance to impact - soft substrate	EN 12691 (B)	≥ 1700 mm
■ Resistance to impact - hard substrate	EN 12691 (A)	≥ 200 mm
■ Tear resistance (L/T)	EN 12310-2	≥ 40 N
■ Joint peel resistance	EN 12316-2	≥ 50 N/50mm
■ Joint shear resistance	EN 12317-2	≥ 200 N/50mm
■ Durability - UV exposure	EN 1297	pass
■ Foldability at low temperature	EN 495-5	≤ -45°C
■ Dimensional stability	EN 1107-2	≤ 0.5%
■ Resistance to root penetration	EN 13948	pass

Note: As European standards continue to develop, please contact Firestone Technical Services or Firestone Building Products Website for latest updates on physical properties.

6. Packaging / Storage / Shelf Life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m²)
1.14 (0.045")	2.28* (7.5') 2.75 (9') 3.05 (10') 6.10 (20') 7.62 (25') 9.15 (30') 12.20 (40') 15.25 (50')	15.25 (50') 30.50 (100') 45.75 (150') 61.00 (200')	1.41
	5.08 (16.7')	30.50 (100')	1.41
1.52 (0.060")	2.28* (7.5') 2.75 (9') 3.05 (10') 6.10 (20') 9.15 (30') 12.20 (40') 15.25 (50')	15.25 (50') 30.50 (100')	1.95
	5.08 (16.7')	30.50 (100')	1.95

** Packaged two panels per roll.*

Storage: Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.
Shelf Life: Unlimited.