

Technical Information Sheet

RubberGard™ EPDM LSFR Membrane

Packaging	Part Number
1.1 mm from 3.05 m to 15.25 m x 30.5 m per roll	W56LE45XXXX
1.5 mm from 3.05 m to 15.25 m x 30.5 m per roll	W56LE60XXXX

Note: membranes are folded or non-folded and available in various panel sizes. Please contact your Elevate Representative for more details.

Description

The Elevate RubberGard EPDM LSFR (Low Slope Fire Retardant) membrane is a 100% cured roofing membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. The sheet is made of two plies of identical compound with good fire performance.

Preparation

The 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.

Method of Application

Allow the membrane to relax for approximately 30 minutes before splicing or final securement. Refer to the Elevate RubberGard EPDM guidelines for specific installation instructions.

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 mechanical attachment) and upstands. Provide an additional length (150 mm) at upstands for easy handling.

Characteristics

Physical

- Elastomeric membrane with a good combination of high elasticity and tensile strength.
- Good fire-resistance properties.
- Excellent resistance to UV and ozone.
- Retains its elasticity even at temperatures as low as -45°C.
- Resistant to temperature shocks up to 130°C.
- Excellent resistance to acid rains. Contact with mineral and vegetable oils, petroleum based products, hot bitumen and grease must be avoided.

Technical	Test method	Declared value 1.1 mm	Declared value 1.5 mm
Thickness	EN 1849-2	1.1 mm	1.5 mm
Mass per unit area	EN 1849-2	1.35 kg/m ²	1.85 kg/m ²
Watertightness	EN 1928 (B)	Pass	Pass
Tensile strength (L/T)	EN 12311-2 (B)	≥ 7 N/mm ²	≥ 7 N/mm ²
Elongation (L/T)	EN 12311-2 (B)	≥ 300%	≥ 300%
Resistance to static load	EN 12730 (B)	≥ 20 kg	≥ 20 kg
Resistance to impact	EN 12691 (B)	≥ 1700 mm	≥ 2000 mm
Tear resistance (L/T)	EN 12310-2	≥ 40 N	≥ 40 N
Joint peel resistance	EN 12316-2	≥ 80 N/50 mm	≥ 80 N/50 mm
Joint shear resistance	EN 12317-2	≥ 200 N/50 mm	≥ 200 N/50 mm
UV exposure	EN 1297	Pass (≥ 7500 h)	Pass (≥ 7500 h)
Foldability at low temperature	EN 495-5	≤ -45°C	≤ -45°C
Dimensional stability	EN 1107-2	≤ 0.5%	≤ 0.5%
Reaction to fire	EN 13501-1	E	E
External fire performance (in end-use)	EN 13501-5	B _{ROOF} (t1, t2, t3, t4)*	B _{ROOF} (t1, t2, t3, t4)*

Note: As European standards continue to develop, please contact our Technical Department or visit www.holcimelevate.com for the latest updates on physical properties.

* Various B_{ROOF}(t1, t2, t3, t4) classified build-ups using the membrane are available. Please contact our Technical Department for more details.

Storage

Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.

Shelf Life

Unlimited.

Precautions

Take care when moving, transporting and handling to avoid sources of punctures and physical damage. Refer to Product Safety Information Sheet (PSIS) for additional safety information.

Note:

This document is meant only to highlight Elevate products and specifications based on latest knowledge and experience and is subject to change without notice. Above mentioned values are based on tested samples and may vary within applicable tolerances. For latest and complete product and detail information, please refer to the technical information posted on www.holcimelevate.com. Holcim Solutions and Products EMEA BV ("Holcim") takes responsibility for furnishing quality materials which meet Holcim's published product specifications. As neither Holcim itself nor its representatives practice architecture, Holcim offers no opinion on and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. The selection of the appropriate product and its correct application is the responsibility of the customer and not of Holcim. No Holcim Representative is authorized to vary this disclaimer.