

Technical Information Sheet

V-Gard ALU 1500 Vapor Control Membrane

Packaging	Part Number
0.2 mm, 1.5 m x 100.0 m per roll, 24 rolls per pallet	W56358900VM
Note: Each roll is packed with a belly band Weight: 34,0 kg/roll	

Description

The Elevate™ V-Gard ALU 1500 Vapor Control Membrane is designed to be used as vapor control layer in Elevate roofing systems. It consists of a reinforced aluminium foil with self-adhesive coating backing protected by a release film. The self-adhesive coating keeps the membrane in place to facilitate the installation. The UV stabilized polyolefin reinforcement improves the mechanical performance of the membrane. It prevents foot traffic damage and other damage of the vapor control layer over corrugation valleys of lightweight steel decks during installation works. The V-Gard ALU 1500 membrane is suitable to be installed on steel deck and wooden deck. It is meant for applications where the roofing insulation is mechanically attached or loose laid. It is not suitable for adhering insulations boards onto.

The V-Gard ALU 1500 can also be used as temporary protection, please refer to the technical department for specific conditions.

Design and selection of an appropriate vapor control layer is the responsibility of the specifier.

Preparation

Substrates need to be clean, smooth, dry and free of dust and sharp edges and other materials that may damage the membrane. Metal surfaces must also be free from remaining processing oils. Verify if detailing of the deck at roof edges and details is appropriate for installation of the vapor control layer.

Method of Application

It is recommended unrolling the V-Gard ALU 1500 membranes onto metal decks in the same direction as the deck and positioned so that side laps are fully supported. Unroll and position the membrane with release liner in place for alignment. Stagger the membranes. Once aligned, peel back a portion of the release film and press the membrane onto the substrate for final adhesion. All membranes should be broomed to fully mate them to the substrate. The ambient and substrate temperature should be +5°C and above for proper installation.

The vapor control layer should be inspected and repaired prior to installation of the insulation boards. It is recommended to cover the V-Gard ALU 1500 membranes the same day with insulation and roofing membrane.

Coverage

The coverage rate is approx. 142m² per roll, including seam overlaps. The V-Gard ALU 1500 membrane must be installed with side laps of min. 80 mm and end laps of min 150 mm.

Characteristics

Physical		
<ul style="list-style-type: none"> • Total Vapor Control Layer • Self-adhesive • Cold applied without use of flames • Resistant to worksite traffic 		
Technical	Test method	Declared value
Thickness	EN 1849-2	0.2 mm
Water vapor impermeability (Sd)	EN 1931	≥ 1500 m
Tensile strength (50 mm) (MD/CD)	EN 12311-2	≥ 200 N / 400 N
Calorific Value	DIN 51900-1	≤ 11.600 KJ/m ²
Elongation at break (MD/CD)	EN 12311-2	≥ 100 % / 10 %
Tear resistance	EN 12310-1	≥ 100 N
Joint shear resistance (L)	EN 12317-2	≥ 400 N/50mm
Joint shear resistance (T)		≥ 200 N/50mm
Watertightness	EN 1928	Pass
Reaction to Fire (end use on metal)	EN 13501-1	E

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

Storage

All rolls should be stored out of the weather in a clean, dry, and well-ventilated area at a temperature between +5°C and +40°C. It is therefore not recommended to leave the V-Gard ALU 1500 membranes during winter stored on the roof. Store the V-Gard ALU 1500 membranes in their original unopened packaging. Do not put an additional pallet (or weight) on top of the rolls. If the rolls must be stored temporarily on the roof before application, they should be stored on a pallet, elevated from the roof surface, and protected from direct sunlight, moisture and heat with a light-colored tarp in a neat safe manner until the moment they are installed.

Shelf Life

18 months can be expected if stored in above-mentioned conditions. Verify production date on each roll. Shelf life will be reduced if exposed to higher temperatures. Shelf life information is only a recommendation and not a fact of life. The real expiration date highly depends on the history of storage and handling of the accessories.

Disposal

The release liners (siliconized PP film) can be recycled.

Precautions

Take care when moving, transporting and handling to avoid sources of punctures and physical damage. Removal of the polymeric release liner from the adhesive backing may create a static electric charge; care should be used when removing and handling the release liner. 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.