

Technical Information Sheet

V-Gard PE 400 Vapor Control Foil

| Packaging | Part Number |
|--|----------------|
| 0.4 mm, 4.0 m x 25.0 m per roll, | W56358900PE400 |
| Note: Each roll is packed in a plastic sheet Weight: 36,8 kg/roll | |

Description

The Elevate™ V-Gard PE 400 Vapor Control foil is designed to be used as vapor control layer in Elevate roofing systems in buildings with limited amount of humidity generated based on hygrometric study. It consists of a low density polyethylene film. The V-Gard PE 400 foil is suitable to be installed on steel deck, wooden deck and concrete deck. It is meant for applications where the roofing insulation is mechanically attached or loose laid. 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 PE foil, especially when installed on concrete deck.

Method of Application

Position and unroll the V-Gard PE 400 on its substrate. The V-Gard PE 400 is installed loose laid. The sides must overlap with a minimum of 100 mm or more if required by local regulation. The V-Gard PE seam tape can be used to seal two V-Gard PE 400 foils when recommended or required. It is not meant as temporary watertight protection of the substrate.

The vapor control layer should be inspected and repaired prior to installation of the insulation boards. Only install the amount of V-Gard PE 400 foil that can be covered with insulation and roofing membrane the same day. Additional ballast can be installed to prevent movement of the PE foil.

Coverage

The coverage rate is approx. 97m² per roll, including seam overlaps. The V-Gard PE 400 foil must be installed with side and end laps of min. 100 mm.

Characteristics

Physical

- Quick and easy installation
- Made of recycled LDPE and can be recycled
- EN 13984 compliant
- Can be applied at low temperatures
- Good chemical resistance

| Technical | Test method | Declared value |
|------------------------------------|-------------|------------------------|
| Thickness | EN 1849-2 | 0.4 mm |
| Width | EN 1849-2 | 4 m |
| Length | EN 1849-2 | 25 m |
| Density | EN ISO 1183 | 0.92 g/cm ³ |
| Watertightness of the foil – 2 kPa | EN 1928 | Pass |
| Water vapor impermeability (Sd) | EN 1931 | 220 m |
| Tear resistance | EN 12310-1 | ≥ 200 N |
| Tensile strength | EN 12311-2 | ≥ 200 N/50mm |
| Elongation | EN 12311-2 | ≥ 300 % |
| Color | - | Opaque Black |
| Reaction to Fire | EN 13501-1 | F |

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

Store the V-Gard PE foils in dry and clean conditions and their original, closed plastic wrapping away from sources of physical damage or chemical contamination. 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.

Shelf Life

Unlimited

Precautions

Take care when moving, transporting and handling to avoid sources of punctures and physical damage.

Note:

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