

Viking Cover Board

Viking Roofspec Supplier Code: VWR113
Version: 1.0

Introduction:

This Data Sheet is to serve as a reference guide for Viking Roofspec Licensed Installers who are already familiar with Viking Roofspec's systems and are responsible for Viking roof-system installations.

The following guide contains precautions, best uses and application procedures for the correct installation of Viking Cover Board

Viking Cover Board (DensDeck Prime) features a gypsum core with embedded glass mat facers on the top and bottom of the board. Viking Cover Board can be used in a variety of roof systems and provides an excellent thermal barrier as well as exceptional fire, moisture, and wind uplift resistance properties while improving resistance to foot traffic and hail damage.

Viking Cover Board is adhesive fixed to Viking PIR Polyiso Insulation panels in Viking WarmRoof² and WarmSpan² system installations.

It may also be used in Viking WarmRoof or WarmSpan¹ installations when adhered to Kingspan TR27 PIR Polyiso Insulation panels if higher impact resistance is needed within the system, such as plantrooms or roof entrance areas where maintenance foot-traffic can be expected.

Note that Viking Warm Roof / WarmSpan systems, are suitable for Type 1 light-foot traffic, classified within the Metal CoP as areas that can be accessed from opening windows or awnings. 1.8kN. Construction traffic must be managed by well-placed temporary access boards for later removal.

Viking Enviroclad, Viking Torch-on or Viking Butylclad / Epiclاد can be installed directly to Viking Cover Board using the membrane specific adhesives or primers as you would to other substrates. Walkway access can be further high-lighted and protected by the addition of Enviroclad Walkway Roll or Torch-On additional layer (in different colour) with 2 coats of Crystal Glaze.

Properties

| | | | |
|--|---|------------|---------------|
| Sheet Size | 2.438mt x 1.219mt x 6.4mm | | |
| Weight | 5.9 kg/m ² | | |
| Surfacing | Fiberglass mat with non-asphaltic coating | | |
| Compressive strength nominal | 12.4 MPa | | |
| Flute span ability | per | ASTM E661 | 67mm |
| Permeance, perms | per | ASTM E96 | >1710 |
| R Value | per | ASTM C518 | 0.05 (metric) |
| Water absorption, % max, | per | ASTM C1177 | 5 |
| Surface water absorption, nominal grams, per | ASTM C473 | | 1.0 |
| Flame Spread, Smoke Developed | ASTM E84 | | 0/0 |
| Bending radius, | 100mm (1.219mm) | | |

Installation

1. Keep Viking Cover Board dry before, during and after installation. Viking Cover Board should not be installed during rain, heavy fog, and any other conditions that deposit moisture on the surface of the board and must be installed to a dry surface. Apply only as much Viking Cover Board as can be covered by the waterproofing membrane system in the same day. Avoid exposure to moisture from leaks or condensation.
2. All sheet joints should be staggered and off-set from PIR Insulation sheet joints below.
3. Shall be installed with ends and edges butted tightly.
4. For reroof or re-cover applications, existing roofing systems must be dry throughout prior to application of Viking Cover Board.
5. Plastic or poly packaging applied to protect the Viking Cover Board during transport should be removed upon receiving to site to prevent condensation or trapping of moisture, which may cause application problems.
6. Viking Cover Board should be stored flat and off the ground with protection from the weather. If stored outdoors, a breathable waterproof covering should be used.
7. Be certain to install Cover Boards with the proper side down, as indicated on each board. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to Viking Roofspec specifications.
8. If installing directly to Steel tray then edge joints should be located on and parallel to deck ribs. End joints of adjacent lengths should be staggered.
9. Viking Cover Board will allow for the application of Viking Torch-on membrane systems.

Fastening

Adhesive Attached

1. Viking Cover Board may be secured to Viking PIR Polyiso Insulation panels or other substrates of the roof deck using Viking Soudal Adhesive at a coverage of 3 sheets per Adhesive Cartridge with Ribbon centres of 300mm max.
2. Place Cover Board or insulation boards into Viking Soudal Adhesive immediately or within 5 minutes Do not allow the adhesive to over-cure prior to setting adhered boards to the substrate as the adhesive will form a skin at 7 minutes.

Note: Designate one person to walk the adhered boards into place and then roll (with a 35 kg weighted roller) the boards between 1 – 5 minutes from the initial adhesive application. Boards may be relief-cut where necessary and must be temporarily weighted 1 hr to keep the boards in constant contact with the adhesive until the adhesive cures.

Precautions

- Panels must be kept dry before, during and after installation. Apply only as much roof board as can be covered by roof membrane in the same day.
- When applying solvent-based adhesives or primers, allow sufficient time for the solvents to flash off.
- 6.4mm Viking Cover Board is not recommended for vertical parapet applications.
- In ballasted roofing systems, Viking Cover Board is not an acceptable membrane underlayment.

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PRODUCT DATA SHEET



Ratings and Certifications

- Manufactured to conform to ASTM C-1177
- Tested in accordance with ASTM E-84 or CAN/ULC-S102
- Non-combustible when tested in accordance with ASTM E-136
- UL Classified when tested in accordance with ASTM E-119

Storage

Handling and storage of all materials whether on or off site is under the control of the Viking Roofspec Licensed and Trained Installers. Dry storage must be provided for all products, do not let products get crushed under weight of stacking pallets on top of each other.

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