

Viking Butylclad

Version: BC-PDS-V1.0

Introduction:

This Data Sheet is to serve as a reference guide for Viking Roofspect Licensed Installers who are already familiar with Viking Roofspect'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 Butylclad Membrane

Viking Butylclad presents an advanced waterproofing membrane system specially designed for low-slope roofs and gutters, offering unmatched performance and ease of installation. Its innovative composition, combining 70% butyl and 30% EPDM rubber, delivers superior UV resistance and exceptional elongation properties, setting it apart from conventional 100% butyl membranes.

Key Features and Benefits:

- **UV Resistance:** Viking Butylclad's unique blend of butyl and EPDM rubber ensures enhanced UV resistance, safeguarding the membrane from harmful sun rays and increasing its longevity.
- **Outstanding Elongation Properties:** The incorporation of EPDM rubber grants the membrane exceptional elongation properties, making it highly flexible and capable of handling substrate movements with ease.
- **Minimized Waste and Laps:** Manufactured in long narrow rolls, Viking Butylclad reduces unnecessary end-laps and off-cut waste during installation, optimizing efficiency and reducing costs.
- **Pliable and Easy to Work With:** Its pliable nature allows Viking Butylclad to adapt effortlessly to various roofing and gutter contours, ensuring a seamless and watertight installation.
- **Paint Compatibility:** The membrane can be painted with approved paint systems, offering added versatility for specific project requirements or aesthetic preferences.
- **Exclusively Installed by Viking Approved Applicators:** Viking Butylclad is installed exclusively by Viking Approved Applicators, ensuring expert workmanship and adherence to quality standards.
- **20-Year Product Warranty:** Backed by a comprehensive 20-year product warranty, Viking Butylclad instills confidence and peace of mind in the longevity of the waterproofing solution.

Properties

Product Code	Product	Thickness	Colour	Size	Weight Per Roll
SBR090V	Butylclad	1.0mm	Black	900mm x 25m	29kg
SBR100V	Butylclad	1.0mm	Black	1350mm x 25m	44kg
SBR500V	Butylclad	1.5mm	Black	1350mm x 20m	58kg
SBR110V	Butylclad	1.0mm	Grey	1350mm x 25m	44kg
SBR510V	Butylclad	1.5mm	Grey	1350mm x 20m	58kg

Installation

Refer to Viking Applicator Rubber Handbook

Clean

- Clean Sand, sweep and/or vacuum the substrate to provide a clean smooth surface.
- The substrate must meet all the requirements laid out in the substrate checklist or relate back to NZ3604 as per the building code

Prime

- Use a 50/50 mix of BMA solvent, and the Butylclad adhesive to prime the entire substrate.

Bond-Break Tape

- Use 25 mm polyethylene release tape over all ply joins and junctions before application of the membrane

Relax

- Unroll the membrane alongside the area to be laid, and allow 20 minutes for the membrane to relax. This is vital to the workability, and will reduce the chance of creasing. Membrane must also be allowed to relax before cutting to required length.

Position

- Align the membrane where it is to be laid. Allow 75mm for laps where adjoining a previous sheet.

Butterfly

- Fold back half the sheet to be adhered (gluing half and half is usual- but on larger or trickier areas, sheets can also be glued in smaller sections as required).
- Ensure a clean, straight edge at the fold, without creases.

Adhere

- Using Butylclad adhesive (SBA000) for Butylclad, use a brush or medium nap roller to apply adhesive to the substrate surface and to the underside of the folded membrane.
- Do not thin the adhesive.
- Take care to apply the adhesive evenly, globules can dry to be visible once the membrane is laid.
- A straight edge at the fold is important to ensure no gaps are left when you come to gluing the next section of membrane.
- Allow the adhesive to tack off. The adhesive is ready when it is tacky without transfer to a dry finger. Note that weather conditions- ambient temperature, moisture fog, rain etc will all affect the tack time of the adhesive. Adhesive needs good temperatures and airflow to allow proper solvent evaporation. Use of high powered fans are especially useful in tented situations and cooler climates. If dew forms on the adhesive it is too cold to work. There is risk of poor adhesion and vapour bubbles forming

Lap joints

- Clean the area to be lapped using BMA solvent and a soft scouring pad or rag (75mm on the underside of the top sheet, and 75mm of the lower sheet).
- The lower sheet edge should be fully adhered to the substrate).
- Use SEC034 WeatherBOND Multipurpose Lap Primer with a soft scouring pad to prime both surfaces of the lap. Primer is ready to install Lap-tape when tacky without transfer to a dry finger. If primer is dry, re-apply.
- Position Lap-tape carefully without creases, allowing approximately 1-2mm of Lap-tape to the outside edge of the seam.
- Apply the 76mm Viking Lap-tape to the bottom, primed sheet. Leave the protective plastic strip on top of the tape in place so that the upper sheet doesn't prematurely bond to it.
- Now Pressure Roll the Lap-tape to the primed lower sheet.

Finishing the Lap

Lower the top sheet into place over the Lap-tape, and pull out the plastic cover as you smooth the upper sheet to the Lap-tape with your hand to ensure no creases or bubbles. Pressure Roll the lap closed.

- Ensure you roll from side to side (across the lap direction to minimise bubbles)
- Roll with even pressure.
- Covering the entire lap surface

Precautions

- Check substrates using Substrate Checklist
- Prime all Substrates 1:1 mix of Adhesive and SES225 Solvent
- Use 25 mm polyethylene release tape over all ply joins and junctions before application of the membrane
- Use lap-tapes for all sheet Laps, terminations (drip-edges) and under-flashings EG External Corners
- Clean, prime, pressure roll all lap seams and details.
- Follow all of Viking typical details and specifications
- Use 1.5mm thickness under trafficable floating decks and internal gutters 1mt + wide.
- Don't ever cut Rubber Membrane to the base of the fillet.
- Don't ever rely on glued laps
- Don't ever trim membrane without having a hard-surface between layers.
- Don't ever mix different suppliers adhesives, primers, tapes or accessories.

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.

Notes

- Cover the substrate to keep it dry, ensuring the waterproofing membrane can be installed when needed. Communicate early with your Viking Approved Applicator on the project scheduling to ensure weather exposure is kept to a minimum
- Correct substrate installation is critical to durability and performance of the membrane
- Failure to strictly comply with substrate specification may affect product warranty
- All constructions should comply with the New Zealand Building Code. Contact your local council for further advice
- Communication between the Applicator and Construction Company will assist to ensure specification is met
- For information regarding our products, specifications and warranties is available at www.vikingroofspec.co.nz If you have a query regarding this substrate specification please call Viking on 0800 729 799