

# Viking Fleece-tank

Version: FLT-PDS-V1.1

## Introduction

This Data Sheet is 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 Fleece-tank Under-slab membrane.

Viking Fleece-tank system consists of polyester and fibreglass modified bitumen membrane that is used for horizontal waterproofing applications. It is applied as a single layer, with self-adhered laps down to a depth of 15 meters (Refer to PTS for Mercury FC and Viking Peel and Stick). Viking Fleece-tank is manufactured with a SBS rubberised bitumen compound and Polyester Fleece that offers excellent cold flexibility, down to -20°C degrees, preventing splitting or cracking in extreme conditions. Being 8mm thick including the fleece, it has high puncture resistance, this is important for protection from damage during construction.

- **Rapid Instillation:** Self-adhered lap technology increases the speed and efficiency installing the membrane system.
- **Fleece interface:** Viking Fleece-tank offers a unique Polyester fleece that provides a 4x increase bond to poured concrete over traditional mineral chip under-slab membranes.
- **Strong Connection:** Paired with Viking Mercury FC and Viking Peel and Stick, this system forms a powerful bond between below floor level and the wall, significantly enhancing the overall integrity of the waterproofing system.
- **Comprehensive Drainage:** Utilizing Viking Drainage and Protection Board, coupled with free-draining granular backfill, the system ensures efficient subsoil drainage through the drainage coil, safeguarding against water infiltration.
- **High Chemical Resistance:** The system offers high chemical resistance, providing added protection against potential chemical exposure, ensuring long-term durability.
- **Rot Proof:** Viking Fleece-tank is entirely rot-proof, guaranteeing longevity and preservation of its waterproofing properties even in challenging environments.
- **Exclusive Installation by Viking Approved Applicators:** The Viking Torch Applied System is exclusively installed by our Viking Approved Applicators, ensuring professional workmanship and adherence to quality standards.
- **20-Year Product Warranty:** With a comprehensive 20-year product warranty, the Viking Torch Applied System provides unmatched peace of mind and confidence in its long-lasting performance.
- **BRANZ Appraised:** The system is covered by BRANZ Appraisal No. 864 Viking Post Applied Tanking Membranes June 2026

## Properties

Product Code	Description	Coverage	Size
SEM713	Viking Fleece-tank	N/A	8mm x 1.0m x 10m
SEM145	Phoenix Super APAO (for UV areas above ground)	N/A	4mm x 1.0m x 10m
SES299	4mm x 1.0m x 10m	4m <sup>2</sup> per L	20L
SES302 / 303	Easy Paste	1.5m <sup>2</sup> per litre	20L and 10L
SES013	Bitumen Sealant	N/A	300ml

## Installation

- Starting from inside the boxing, unroll the Fleece-tank, fold the fleece-tank up the boxing to the required height.
- With clouts, staples or a combination of heat, tack the membrane to the boxing/formwork. The salvage/lap should be on the horizontal plain.
- Unroll the next roll, Align the lap joins.

- When ready remove the two under and over release tapes. Then with a seam roller apply pressure to the laps.
- Special attention should be given to the horizontal to vertical transition laps. These must be tight, i.e. no bridging, if not, an extra strip of Fleece-tank must be installed to re-enforce this transition.
- Install gussets on all internal and external corners. Head to tail laps will require a minimum of 150mm lap.
- Remove 140mm of the fleece by flame or with a straight blade Utility Knife, gently score the fleece in a straight line using a straight edge. Pick an edge a pull the fleece. Once the fleece has been removed apply gentle heat to remove any remaining strands of the fleece. Then weld the lap as you would a torch-on lap.
- Refer to Viking Fleece-tank Installation Guide for full instructions.

### Precautions

- The product can be used on substrates of site concrete, compacted sand binding or fines, subject to specific structural and weathertightness design. Ensure no sharp objects are laid over.
- Inspect membrane before concrete pour for possible damage by others.
- The weathertightness design of junctions for each specific structure is the responsibility of the building designer.
- The product will assist with meeting the provisions of the New Zealand Building Code clauses B1 and B2, provided it is employed in accordance with the supplier's installation requirements.
- The product is suitable for use in all Climate Zones as defined in NZBC H1/AS1 and all Exposure Zones as defined in NZS3604.

### 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.
- In conditions below 7 degrees store the Viking Fleece-tank in a warmer room.

### Notes

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