

Viking Mercury FC Tanking

Version: TM-PDS-001

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 Mercury FC

Viking Mercury FC torch-on system consists of polyester and fibreglass modified bitumen membrane that can be used for vertical and horizontal waterproofing applications. It is applied as a single layer down to a depth of 5 meters. It can go down to 10m when installed as a double layer. Mercury FC is manufactured with a SBS rubberised bitumen compound that has excellent cold flexibility, down to -20°C degrees, preventing splitting or cracking in extreme conditions. Being 4mm thick, it has high puncture resistance which is important for protection from damage during construction.

- **Strong Connection:** Paired with Viking Under-slab, 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.
- **Very High Chemical Resistance:** The system boasts remarkable chemical resistance, providing added protection against potential chemical exposure, ensuring long-term durability.
- **Rot Proof:** Viking Torch Applied System is entirely rot-proof, guaranteeing longevity and preservation of its waterproofing properties even in challenging environments.
- **Double-Layer Option:** For higher hydrostatic pressure situations, the system offers a double-layer option, further reinforcing its ability to handle demanding conditions.
- **Torch Applied with Maximum Adhesion:** The torch applied installation method ensures maximum adhesion, delivering a reliable and durable waterproofing solution.
- **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 has earned the esteemed BRANZ Appraisal (Appraisal No. 864), highlighting its compliance with industry standards and recognized excellence.

Properties

Product Code	Description	Coverage	Size
SEM626	Mercury FC Tanking (Cold Flex -25 Degrees)	N/A	4mm x 1.0m x 10m
SEM145	Phoenix Super APAO (for UV areas above ground)	N/A	4mm x 1.0m x 10m
SES299	Torch-On Solvent Based Primer	4m ² per L	20L
SEM300	Torch-On Water based Primer	4m ² per L	20L
SES013	Bitumen Sealant	N/A	300mm

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Installation

1. Remove any concrete splatters, pointing should be flush filled.
2. The blockwork must be dry and free from dust.
3. Use a wire brush to remove dirt and any loose materials from the footing.
4. Prime the concrete or block with Viking bitumen primer.
5. When the primer is dry install the Viking Bitumen fillet to the corner of the footing and wall if a footing toe is present.
6. Install the bottom strip of Mercury FC to the footing, connect to the Under-slab Membrane. The under strip should continue up the wall by 150mm.
7. Install gussets to all internal and external corners.
8. Install the Mercury FC in lengths of no more than 2.0m. The bottom of the mercury F C should lap onto the footing by 50mm.
9. Where possible terminate the Mercury F C 30mm on top of the block. Or install a Viking IMT708 Termination bar.
10. Install the Viking Drainage Board. This can be placed before the termination bar, which will allow the termination bar to cover and hold the drainage/protection board in place.
11. Seal the top of the termination bar with sealant.

Precautions

- Drained Cavity Required: The system necessitates a drained cavity to ensure proper drainage and waterproofing performance.
- Suitable Substrates: Viking Torch Applied System is suitable for masonry or concrete substrates only and is not compatible with polystyrene block, EPS, or XPS insulated walls.
- Double Layer System: For depths up to 10 meters, the double layer system with a drained cavity is recommended.
- Single Layer System: For depths up to 5 meters, the single layer system with a drained cavity is suitable.
- Surface Temperature Range: The system is effective for surface temperatures of -20°C and above.
- Minimum Requirements: The system must be applied according to the minimum requirements specified in the installation guidelines for optimal performance.

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 Mercury FC in a warmer room.

Notes

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