

Viking Halley-P (No Flame System)

Version: HP-PDS-V1.0

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 Halley P No Flame System.

HALLEY P are self-adhesive bituminous membranes made with two types of compounds: the outer surface of APP -25° C elastoplastic self-adhesive bituminous membranes employ two types of compounds: the upper surface is an APP -25° C elastoplastic modified compound. The lower surface and the selvedge side consist in an elastomeric pressure sensitive adhesive -25° C compound; their excellent quality is specifically highlighted by two indicators: low temperature flexibility and adhesive compatibility to a wide range of substrates. The excellent adhesive properties allow easy adaptability during installation, in warm and temperate climatic conditions. The excellent flexibility (with the use of warm air) makes it suitable even in cold climate zones.

HALLEY P membrane reinforcement:

Rot-proof, non-woven, spun-bond or staple polyester fabric stabilized with fiberglass. These "composite" reinforcements combine the excellent mechanical properties of polyester reinforcements with the extraordinary thermo-dimensional stability typical of glass-fiber and guarantee high levels of performance to the membranes.

The two-layers consist of a 3mm thick Base-sheet, which is self-adhered to a primed substrate, and a 4mm thick Black or Grey coloured ceramic-chip Cap-sheet. The Cap-sheet is self-adhered to the base sheet. The Cap-sheet protects the roof system from ozone and UV degradation.

Properties

Properties	Base sheet	Cap sheet
Roll Size (Width x Length)	1m x 10m	1m x 8m
Thickness	3mm	4mm
Weight per roll	35kg	50kg
Colour	Black	Black/Grey
Serviceable temperature range	+100°C to -25°C.	+100°C to -25°C.

Installation

Surface Preparation:

- Concrete must have a minimum of 28 days cure and the substrate must be dry. The surface shall have a smooth finish and be free of voids, spalled areas, sharp protrusions, loose aggregate, laitance, and free form release agents. In the event of rain, concrete must be allowed to dry before primer is applied.
 - Plywood to meet minimum requirements set out in the Viking Plywood check list,
1. Primer: Surfaces to receive Halley-P must be clean and dry. Prime with Solvent based primer (SES299) or Easy Paste (SES302) Primer. Apply primer by brush or with a long-nap roller at the applicable coverage rates. Primer is satisfactorily cured when it will not transfer when touched. Re-prime if area becomes dirty.
 2. Application: Apply Base sheet (SEM712) from low to high point in a shingle fashion so that laps will shed water. Overlap all edges by 80mm min.
 3. Remove plastic surface film on edges with hot air (or small flame if allowable)
 - a. End laps shall be staggered. Seams and end laps must be rolled with a pressure seam roller. Place membrane carefully, remove the wax lined film and with a soft broom the membrane to avoid wrinkles. Immediately after installation, roll with a 70-kg weighted steel roller.
 4. Once the first layer has been completed and water tested, the second layer can be installed.
 5. If there has been an extended period between installing the base layer and the cap sheet, then ensure the base layer is clean and dry.
 6. The laps of the cap sheet must be offset to the laps of the base sheet by approximately 50% or 450mm.
 7. Remove the wax backing film from the Cap sheets so that the underside is fully bonded to the base sheet.
 8. After each roll is laid. check the lap joints ensuring it is adhered to the next roll.

Precautions

- Store modified bitumen sheets in a cool, dry, and well-ventilated area, away from direct sunlight and heat sources. . Store at minimum +5°C
- Avoid stacking rolls excessively to prevent deformation or damage to the sheets.
- Inspect the substrate for any irregularities, moisture, or debris before installation.
- Ensure the substrate is clean, dry, and free from any loose materials, oil, grease, or other contaminants that may hinder proper adhesion.
- Wear appropriate personal protective equipment (PPE), such as gloves and safety goggles, when handling and installing modified bitumen sheets.
- Work in well-ventilated areas or use respiratory protection when working with bitumen products to avoid inhalation of fumes.
- Ensure that the modified bitumen sheets are compatible with the specific substrate and any adhesives or primers used during installation.
- Avoid direct contact between modified bitumen sheets and incompatible materials that may lead to chemical reactions or degradation of the sheets.
- Protect the installed modified bitumen sheets from foot traffic, sharp objects, and construction debris that may puncture or damage the waterproofing layer.
- Consider installing a protective layer, such as insulation or a protection board, above the modified bitumen sheets to safeguard them during subsequent construction phases.
- Regularly inspect the modified bitumen sheets for signs of damage, deterioration, or wear over time.
- Perform necessary maintenance and repairs promptly to extend the service life of the waterproofing system.

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PRODUCT DATA SHEET



Approved Substrates

- Plywood (see installation guide to meet minimum requirements)
- Concrete (see installation guide to meet minimum requirements)
- Strand Sarking (see installation guide to meet minimum requirements)
- Polyiso and Warm Roofs (see installation guide to meet minimum requirements)

Storage:

Handling and storage of all materials whether on or off site is under the control of the Viking Roofspec Licensed and Trained Installers. Material has to be stored in a covered place; it is advisable not to exceed 12 months. Rolls must be stored vertically on pallets or on flat surfaces. Protect the membrane from extremely low temperatures and stabilize the material before its installation, leaving it at least 24 hours in a room at +5°C

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