December 2025

PRODUCT DATA SHEET

Viking Dec-K-ing

Version: DK-PDS-V1.2

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 Dec-K-ing

Dec-K-ing is a BRANZ appraised single-ply, trafficable, waterproofing PVC sheet membrane system designed for deck surfaces, making it suitable for decks situated above living areas. It offers an aesthetic and all-inclusive finished waterproofing solution. The membrane sheets are heat-welded together with 25mm lapped seams to ensure a robust and watertight installation. Dec-K-ing does not need to be overlaid with another deck surface as most other deck waterproofing membrane systems do.

Dec-K-ing is highly versatile and suitable for various applications, including:

- Inland and Coastal Areas
- Residential Roof Decks, Patios, and Pool Decks, Multi-Unit Apartments
- Commercial Areas and Walkways

Key Features:

1. **Embossed Surface:** Dec-K-ing is equipped with an embossed surface that provides slip-resistance, ensuring underfoot comfort and safety.
2. **Heat-Welded Seams:** The membrane's sheets are heat-welded during installation, ensuring strong and seamless joins with a high level of waterproofing integrity.
3. **Lighter Color Palette:** Dec-K-ing's lighter color palette aids in reflecting more heat away from the deck structure compared to some other waterproofing membranes, contributing to a cooler deck surface.
4. **Stand-Alone Solution:** Unlike many other deck waterproofing membrane systems, Dec-K-ing does not require overlaying with another deck surface, providing a complete and effective waterproofing solution on its own.
5. **Puncture Resistance:** The membrane's inherent polyester-reinforcing mesh scrim provides exceptional puncture resistance, enhancing the overall durability of the system.
6. **UV Resistance:** Dec-K-ing exhibits strong UV resistance, ensuring prolonged protection against UV radiation, which can degrade other materials over time.
7. **Directional Stability:** The membrane's construction allows it to maintain its dimensional stability even in the face of temperature fluctuations that could lead to contraction and expansion of the deck substrate, such as plywood. This feature minimizes the risk of splitting and leaking, a common concern with some other membrane systems reinforced with fiberglass

Properties

Product Code	Colour	Thickness	Width
SDA207	Landau Grey	1.5mm	1830mm
SDA212	Sandy Pearl	1.5mm	1830mm
SDA217	Stonehenge	1.5mm	1830mm
SDA501	Sand Pebble	1.5mm	1830mm
SDA503	Baltic	1.5mm	1830mm
SDA504	Prairie Barn	1.5mm	1830mm
SDA505	Country Cottage	1.5mm	1830mm
Deck-K-ing PVC Membrane is sold cut-to-length			

Physical property	
Weight	2.3kg/m3
Effective coverage per Lm x 1.8m Width	1.8m2
Vinyl Coating	2.2kgm
Scrim	0.7kg/m2
Emboss Patten	Pebble, Sand, Timber-grain
Tensile Strength	MD 4.9kg /cm XD 4.9kg /cm
Lap joint strength	Initial 68.6kg MD 72.3kg
After boiling	Initial 60.5kg MD 65.0kg
Elongation at break	MD 117% XD 112%
Low temperature impact	Pass
Resistance to heat aging	Pass
Low temperature flexibility	Pass
Accelerated weathering	No cracking, blistering or colour change
Water vapour transmission	Pass
Dimensional change (loading and non-loading)	Pass
Cone	Pass/ 173N
Abrasion resistance	Pass / 110%

Installation

Refer to Viking Dec-K-ing Applicator Handbook

Preparation of substrate

- Fully sand and feather all ridges in ply joins to be smooth. DO not gouge the plywood with the sander. Any areas that cannot be sanded out use Viking Floor Patch SDF660. To a max. area size of your hand and thickness of 0.5mm.
- Larger defects and plywood de-laminations need to be repaired or replaced.
- Use a trowel or broad spatula to apply the compound.
- Allow sufficient time for it to dry or cure (approximately 90 minutes).
- This product is mixed with water so the substrate will absorb a certain amount during the application. Be sure that the product and substrate are 100% dry before you proceed to the next stage. Failure to do so may result in a lack of adhesion and bubbling of the membrane.
- Use screeds and floor leveling compounds for concrete.
- When the flooring compound is completely cured and dry, use a sander to level the surface. Clean off all dust and dirt with a vacuum cleaner. The surface must be left free of any contaminants.
- Make a final check of the area before you prepare for the application of the Dec-K-ing Adhesive Primer coat

Prime

- Apply Dec-K-ing adhesive to substrate (coverage rate 0.5Lt per M2) as a full primer coat. Allow to dry 30mins - 2hrs before giving a light sand to remove any bumps

Material Placement

- Roll out the Dec-K-ing sheet and place in position. If necessary, you can staple along the upper side (back edge in the rebate) of the laid-out sheet of material to hold it in place. ONLY STAPLE the back edge of the lower sheet to where it will be welded.
- Bear in mind the directional pattern of the membrane.
- TIP – When positioning sheets for flush seams, overlay the route with the sheet edge by a few millimetres. Once glued in place you will be able to trim the sheet edge to exactly match the route.

Adhesive Application

- Fold back half of the Dec-K-ing sheet and apply a full coat of Dec-k-ing Adhesive to the already primed plywood substrate surface with the adhesive roller. Apply also to the back of the Dec-K-ing sheet taking care not to apply adhesive where you will weld. Coverage rate at 2M^2 / Per Litre.
- Only when the adhesive on both surfaces is tacky without transferring to a dry finger, apply the membrane to the substrate without creases (ready time will vary dependent on conditions).
- Cold temps will create dew on the adhesive surface. Use a fan to move the air or stop work for better conditions.
- Never thin the Adhesive. – Adhesive Coverage = 1.5Lt per M2. – This includes the primer coat. – Eg. one drum of Dec-K-ing adhesive will cover 30m2 of finished area.
- Do not apply more than two coats of adhesive over the top of one another; this can cause small beads or glue granules that will show through the membrane.
- Avoid getting glue in the areas to be welded, this will affect the weld. If necessary, clean glue from the weld area prior to welding.
- Working from the centre outward lay out the Dec-K-ing. Use a clean, unused paint roller on an extension pole to help roll out the product. Take care to avoid bubbles and folds in the Dec-K-ing. Do not use scrapers to push out the material, as this can affect the adhesion.
- Remove the staples from the opposite edge.
- Fold the membrane back to the glue line and repeat the process. Stop the glue short of the route edge (for flush seams). DO NOT over apply glue through the fold line of the material, as this can create a visible line beneath the Dec-K-ing.
- Using a 10kg to 25Kg padded roller, starting from the centre of the laid-out Dec-K-ing again, work diagonally over the laid Dec-K-ing to compact the Dec-K-ing and remove any remaining air trapped under the surface. Avoid stretching or creasing the Dec-K-ing membrane at all times.
- Lay out the next sheet in your planned process. Lap the sheets by a minimum of 25mm to allow for the welded lap. For flush laps, each sheet should overlay the route slightly, to allow for trimming.
- Temporary staple along the lap (of the lower sheet to be overlaid) to hold the Dec-K-ing in place before gluing. Adhere the second sheet in place, using the steps above. Leave both sides of the lap un-adhered.
- Trim the bottom sheet edge to match the route. Use the roller and the hot air welder to warm up the membrane and form it into the route. Adhere it in place.
- Using a piece of metal to protect the bottom sheet, trim the top sheet along a good straightedge to match the route. Angle the knife at 45 degrees to create an ideal finish.
- Clean the lap prior to welding, using a dry white cloth.
- Preheat the hot air welder, and once at operating temperature, use a hand roller to compress the seams while welding.

Precautions

Do not proceed with the application of this membrane system until you have confirmed the substrate meets the minimum requirements outlined in the latest Viking Roofspec Masterspec specification and Viking Roofspec Substrate Checklist. All constructions should comply with New Zealand Building Code.

Correct substrate installation is critical for durability and performance of the membrane. Failure to strictly comply with substrate specification may affect the product warranty. Refer to Viking Dec-K-ing Warranty for further details.

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Please note: all membranes have a propensity to show movement above plywood sheet joins. Viking Roofspec have developed the substrate specification and Dec-King Substrate Checklists to minimise the possibility of "tenting" occurring. Although, due to the number of structural and environmental factors affecting the substrate, there can be no guarantee "tenting" will not occur

- Order all Dec-K-ing material for the same deck on the first order. It is batch ordered.
- Ensure the substrate meets Substrate Checklist requirements
- Put a 10mm arise on all exterior edges e.g. drip-edges or parapets.
- Fully prepare the substrate to the highest finished standards. What you see in the substrate is what you will see in the finished product.
- Router the 25mm lap after fully sanding the substrate.
- Set router depth on test plywood with sample of Dec-K-ing under the router. Check by feel. There should be no ridge felt.
- Vacuum the substrate before applying adhesive including primer coat.
- Apply a full coat of Dec-K-ing adhesive as a primer coat. Allow to dry and sand.
- Protect the Dec-K-ing from adhesive spills.
- Lay all roll ends to the deck in the same direction as Dec-K-ing membranes have a manufacturing directional pattern, or "grain".
- Protect your finished Dec-K-ing installation to ensure no damage or staining can occur from other trades.
- Don't ever have or use solvent on a Dec-K-ing deck. The solvent will wipe the printed pattern from the surface.
- Don't unintentionally burn the Dec-King with your Heat gun. E.g. knocking the gun with your foot or misplacing the nozzle at an upstand.
- Don't ever try to thin the adhesive with solvents. There is no solvent for Dec-K-ing.
- Don't scuff the finished deck with your boots.
- Don't spill adhesive on Dec-K-ing and try to clean with solvent. Allow to dry and pick off. This will never work for large spillages. Start again.
- Don't get adhesive where you need to weld. Clean immediately.

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

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