

Viking Surface Sealer (Part A & B)

Viking Supplier Code: VPS100 A&B
Version 1.1

Introduction:

This Data Sheet is a reference guide for Viking Roofspec Licensed Installers who are familiar with Viking Roofspecs 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 Surface Sealer (Part A&B)

Viking Surface Sealer is a two-component water-based epoxy primer and sealer for concrete, timber or cement-based substrates for use directly under **Viking single-ply** sheet membrane systems and **Viking PIR insulation only**. An epoxy sealer to stop excess vapour in the substrate interfering with membrane adhesion.

Green Concrete:

With proper application of 3 Coats of Viking Surface Sealer, early installation of Viking single-ply sheet membrane and PIR insulation can be allowed after 7 days from pour. Refer to drying and recoating requirements.

Light rain and shower Protection: 2 coats of Viking Surface Sealer will provide shower protection to cement based substrates that have had at least 28 days cure.

Timber Substrates:

With proper application 2 Coats of Viking Surface Sealer will provide shower protection to. Refer to drying and recoating requirements. If the Plywood or CLT boards will be exposed for a longer period prior to waterproofing installation 1st coat should be diluted 10 - 15% with water to ensure it penetrates the surface, second coat can be standard 50/50 Part A and Part B mix.

Properties

Coverage (recommend 2 – 3 coats)	6m ² per Litre per coat Less if substrates are very porous
Application Temp	Minimum 2 hours of 10°C – 35°C
Time required before Solvent adhesive application	72 hours (3 days) at 10°C
Recoat time	4 hours @ 25°C and 50% R.H.
Full cure	7 days @ 25°C and 50% R.H.
Packaging Part A / Part B	4Lt / 4Lt (8Lts) and 10Lt / 10Lt (20Lts) plastic drums
Mixing ratio	Mix A and B 1 to 1 - equal parts by volume
Pot-life. (Do not use after exceeding pot life)	1½ - 2 hours at 20°C 1 hour @ 35°C at higher temperature pot life will be reduced
Substrates	Concrete, blockwork, fibre-cement sheet, Plywood /CLT
For use under Waterproofing membranes	Enviroclad / Epiclad / Butylclad / Dec-K-ing
Wet film thickness	200 microns (0.2mm)
Storage	5°C - 40°C max
Shelf life	12 months (unopened container)
Colour	White
Solids Content	44% by weight
VOC Content	26 g/l

Features / Benefits

- ✓ Easy clean-up using water.
- ✓ Excellent adhesion to cement-based substrates including concrete, brick, masonry, concrete block.
- ✓ Non-flammable and negligible odour.
- ✓ May be applied to damp surfaces.
- ✓ Prevents rising damp and the formation of efflorescence.

Installation

Substrate Preparation

All surfaces to be coated must be clean, dry, and stable. Remove any previous coating, adhesive, dirt oil, grease, or contaminant. When the product is to be applied to dry concrete it is advisable to wet the surface with a fine mist of water before application and allow to surface dry. Care must be taken to work the material into the surface to fill voids and avoid pin-holing.

1. Stir Part A and Part B individually using a power mixer. Avoid excessive aeration. Combine Part A and Part B at 1:1 ratio and stir well. Only mix as much as can be used within the pot life.
2. Apply by brush, 10 - 12mm Nap roller, conventional or airless spray - dilute with 10-25% water for spraying.
3. Apply at a rate of 6m² per Lt per Coat. (2 – 3 coats)
4. Viking Roofspec recommend 2 coats for temporary weather protection and 3 coats as a Barrier to rising moisture from green concrete or damp substrate (Green Concrete)
5. Mix A and B 1:1 - equal parts by volume.
6. Viking Surface Sealer should be applied to surfaces with a temperature between 10–35°C; and relative humidity >85%. **The product will cease to cure effectively below 10°C without Cold Weather Activators.**
7. 2 hours minimum curing required with surface temps above 10°C.
8. *For Substrates and Air temperatures **at or below 10°C do not apply** without; the additions of Cold Weather Activator powder and Quick-set liquid.
9. Curing time will be dependent on the temperature and humidity, in low temperatures the curing time can increase
10. In hot climates: dilute first coats applied to concrete with 10-25% water.
11. In enclosed areas, ventilation must be provided. Viking Surface Sealer is not intended to be used as a waterproofing membrane, or trafficable surface.
12. Allow 72 hours before applying solvent-based adhesives.

*Do not apply if temperatures are at 5°C and falling as this will prevent curing of the product

Precautions

Always keep skin clean - Use barrier creams on hands before use. Wear protective overalls and gloves. Use goggles and approved organic vapour cartridge respirator when spraying.

Eye Contact: Flush with copious amounts of water or dilute Boric Acid Solution - seek immediate medical aid.
Skin Contact: Wash thoroughly with soap and warm water.

Keep containers in a well-ventilated place and tightly closed. Take off immediately all contaminated clothing. In case of eye contact, rinse with plenty of water and contact Doctor or Poisons Information Centre. If swallowed immediately contact Doctor or Poisons Information Centre. Avoid release to the environment.

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

- Clean up: Using water - for best results use detergent and warm water
- *Cold Climate Activator - Excessive addition may cause embrittlement.
- CAUTION: Strong alkali, avoid skin contact



VPS100A



VPS100B



VPS100C & VPS100C1

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