

# Viking Soudafoam Adhesive

Viking Roofspec Supplier Code: STP900d  
Version: 1.0

## 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 application of Viking Soudafoam Adhesive

Viking Soudafoam is a self-expanding, reusable polyurethane foam, to be used with Gorilla Click & Fix Foam Gun. Excellent bonding of materials, very good filling capabilities with high insulation capacity. Contains CFC free propellants, which are completely harmless to the ozone layer. Soudafoam is delivered in a single part 750ml canister applied via a Gorilla Click and Fix Foam Gun to the substrate.

Viking Soudafoam is used to adhere and secure a range of Viking products and systems.

## Properties

Base:	Polyurethane
Consistency:	Stable Foam
Curing System:	Moisture-cure
Skin formation: (200/65 % R.H.)	Ca 7 minutes
Density:	Ca. 22kg/m <sup>3</sup>
Temperature Resistance:	-40oC till +90oC (cured)
Curing Time: (20oC / 65 % R.H.)	1 hour for a 30mm bead
Cutting Time:	30 minutes
Acoustic Installation: (EN IS0717-1)	58 dB
Yield: (FEICA TM 1003)	750ml yields ca. 38 litres of foam
Shrinkage: (after cure)	<1%
Post-Expansion	<4%
Cellular Structure	Ca. 70-80% closed cells
Insulator Factor:	32 mW/m.K
Compressive Strength:	Ca.21 kPa
Shear Strength:	Ca. 40 kPa
Water Absorption: (EN 1609)	Ca. 0,27 kg/m <sup>2</sup>
'This varies according to ambient conditions such as temperature, humidity, substrate etc	

**Substrate Compatibility**

Insulation/Underlayment's		Roof Decks	
Polyiso PIR Foil and TR27	YES	Concrete	YES
Expanded Polystyrene (EPS)	YES	Plywood	YES
Extruded Polystyrene (XPS)	YES	Wood	YES
Coverboards Gypsum Fibre	YES	Fibrous Cement	YES
DensDeck coverboard	YES	Steel	YES
OSB	YES		

\*Important: When using this product read the instructions carefully. Viking recommends testing prior to application due to the diversity of substrates, environments and other factors that are out of Vikings' control.

**Application**

1. The surface to which adhesive is to be applied shall be dry and free of protrusions, sharp edges, loose and foreign materials, oil, and grease. All sharp projections shall be removed.
2. Using a light mist spry bottle, apply little moisture to porous substrates, the adhesive is moisture cure
3. Apply Soudafoam Adhesive when the substrate and ambient temperatures are 5°C to 35°C (20°C - 25°C recommended).
4. Keep Cartridges stored for use between 20°C – 25°C. Keeping Cartridges out of direct sunlight as adhesive may expand within the cartridge due to overheating.
5. Shake aerosol canister well before use (at least 20 seconds).
6. Click Soudafoam canister onto Click & Fix Gun.
7. Release the flow adjustment screw lightly and dispense foam immediately to fill the entire gun with foam. It is now ready to use. Foam output can be finely controlled with the flow adjustment screw.
8. Extrude foam by pulling the trigger. Apply as a 25mm wet bead.
9. Fill gaps in PIR sheet joints and cavities to allow 1/3 expansion.
10. Shake regularly during application.
11. When can is empty, clean gun head with Gorilla Expanding Foam Cleaner Click & Fix to remove any uncured foam. Fit new can and extrude to expel all cleaner.
12. Apply Soudafoam Adhesive in ribbons at 150mm on centre with extruded Wet Bead of 25mm.

COVERAGE: Each Cannister is expected to cover 5.5M2 or approx. 2 sheets of TR27 PIR Polyiso when applied as a 25mm wet Bead.

**Cover Board / PIR Insulation**

1. Apply Soudafoam Adhesive to the substrate.
  - a. Extruded Wet Bead of 25mm.
  - b. For attachment to PIR, Plywood or CLT in ribbons of 150mm apart.
2. Place Cover Board or insulation boards into Soudafoam Adhesive immediately or within 5 minutes Do not allow the adhesive to over-cure prior to setting adhered boards to the substrate as the adhesive will form a skin at 7 minutes.
3. Designate one person to walk the adhered boards into place and then roll (with a 35 kg weighted roller) the boards between 1 – 5 minutes from the initial adhesive application. Boards may be relief-cut where necessary and must be temporarily weighted 1 hr to keep the boards in constant contact with the adhesive until the adhesive cures.

At the beginning of the attachment process and periodically throughout the day, check the adhesion of boards to ensure a tight bond is created and maximum contact is achieved. Wait a minimum of 20 minutes after board is installed before checking adhesive.

### Precautions

- Review the Material Safety Data Sheet for complete safety information prior to use.
- The foam produced is an organic material. It must be considered as combustible and may constitute a fire hazard. The foam adhesive must not be left exposed or unprotected. Shield from heat and sparks. Do not smoke during application.
- Use with adequate ventilation. Avoid breathing vapours. Wear an approved respirator for organic vapours with prefilters and solvent resistant cartridges. If vapour inhaled, remove to fresh air, and administer oxygen if breathing is difficult. Consult a physician immediately.
- Avoid contact with eyes. Safety glasses or goggles are required.
- If Soudafoam adhesive is splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
- Avoid contact with skin. Wear long-sleeved shirts and long pants. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
- Permeation-resistant gloves are required when handling the material or during application.
- KEEP OUT OF THE REACH OF CHILDREN.

### Storage

- Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C. Store in a well-ventilated place. Keep container tightly closed.
- Should the components be stored at temperatures lower than 5°C, restore to room temperature prior to use. Do not allow Soudafoam Adhesive to freeze (storage below -10°C for at least 3 days).
- Dispose of contents/ containers in accordance with local regulations.

### First Aid:

- IF ON SKIN: wash with plenty of soap and water. If skin irritation or rash occurs: get medical attention. Take off contaminated clothing and wash before reuse.
- IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF eye irritation persists, get medical attention.
- IF INHALED: remove to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a POISON CENTRE/ doctor/ physician/ first aider. If exposed or concerned: get medical attention.
- Collect spillage. For further advice contact the NZ Poisons Centre 0800 764 766.

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