

Viking TPO Coated Alloy Sheet and Flashing

Version: 1.0

Introduction:

This Data Sheet is a reference guide for Viking Roofspec Licensed Installers who are familiar with Viking Roofspec's Enviroclad system and are responsible for Viking roof-system installation.

Viking TPO coated alloy sheet (STP852) and flashing (STP882) are proprietary accessories to support the installation of Viking Enviroclad TPO membrane. The Alloy is coated with a layer of 0.9mm non-reinforced TPO Flashing. This allows the Enviroclad membrane to be direct hot air welded to the Alloy, in some applications eliminating the requirement for separate flashings and pressure bars as a leading-edge termination.

The material is available in sheet form, allowing for custom cutting and folding of termination flashings, soaker flashings or as a mechanically secured transition flashing etc...

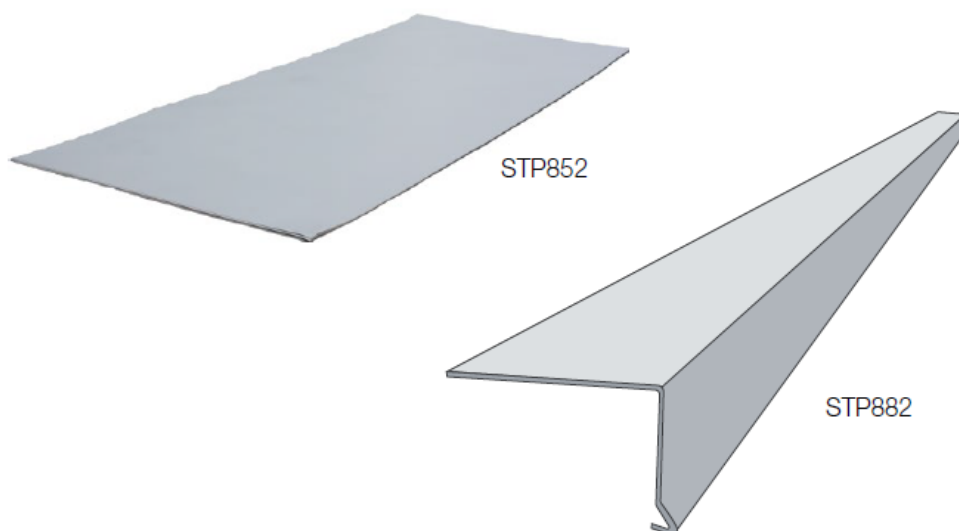
The TPO coated alloy is available as a proprietary drip edge flashing, it is mechanically fastened and the Enviroclad membrane is hot air welded to the top of the flashing eliminating the requirement for a termination pressure bar.

Features and Benefits

- Allows fully custom flashings, junction and termination details to be fabricated for maximised versatility.
- Easy to cut, fold and form offering excellent versatility.
- Simple to specify: Flexibility in design, make it easier for installers to install the correct solution.
- Excellent durability, matching the 20-year manufacturers product warranty of the Enviroclad system.

Properties

Description	Typical Properties
TPO Alloy Sheet	3003 Grade Alloy
Alloy Thickness	1.225mm
Alloy Temper	H14
Sheet Size	1500mm x 3000mm
TPO Coating	Non-reinforced TPO flashing 0.9mm
TPO Thickness	0.9mm
Colour	Grey
Total Thickness	2.125mm (approx.)
Weight	25kg per 1500 x 3000mm
ASTM Conformance	ASTM B209



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PRODUCT DATA SHEET

Installation

Flashing

- Secure folded flashings with screw fasteners; Stainless Steel Wafer Head are preferable to countersunk screws.
- Allow 3mm – 6mm maximum spacing, between adjoining sections to allow for thermal expansion with full 3.0m long folded flashing.
- Where soaker or diverter style custom flashings are installed, Viking Water Cut Off Mastic may be required to the back of the flashing depending on installation location.

Membrane

- Clean the installed TPO coated alloy flashing with Viking Weathered Membrane Cleaner and Splice Wipes, repeat for the Enviroclad membrane where it will be hot air welded in place.
- Hot air weld, the Enviroclad membrane to the TPO flashing with the standard minimum 40mm wide lap.
- Once the weld has cooled, seam probe to confirm a secure weld. Repair defects if found.
- Seal non factory cut Enviroclad edges with either Cut Edge Sealer or with hot-air welder and Penny Roller.

Examples



Precautions

Store the Coated Alloy sheet in a cool, shaded area and cover with light coloured, breathable, waterproof tarpaulins. All TPO Coated Alloy must be cleaned with Weathered Membrane Cleaner prior to hot air welding.

Auckland office

80 Alexander Crescent,
Otara PO Box 14-541,
Panmure, Auckland
1741, New Zealand

Christchurch office

2 Nazareth Avenue,
Middleton, PO Box
9117, Tower Junction
Christchurch 8149,
New Zealand

Wellington office

19 Pretoria St,
Lower Hutt 5010,
New Zealand

T: 0800 729 799

F: 0800 729 788

info@vikingroofspect.co.nz
www.vikingroofspect.co.nz

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