

Systems Vapour Control Layers

Bituminous Vapour Barriers

Product Details

Product	Systems T-O VCL	Systems S-A VCL
Roll Weight	37.0 Kg	37.5 Kg
Weight	3.1 Kg/m ²	2.5 Kg/m ²
Roll Dimensions	12 x 1m	15 x 1m
Base Type	170g/m ² Polyester	170g/m ² Polyester
Moisture Vapour Resistance	>10,000 MNs/g	>10,000 MNs/g
Product Code	62120000	62130000



Introduction

IKO Systems VCL's are high performance vapour barriers for adhered IKO Polymeric roofing systems that can be applied in a range of ways.

Systems T-O VCL (Torch-on) - Systems T-O VCL is a high performance vapour control layer for use in adhered IKO Polymeric systems. It comprises an impervious aluminium core, reinforced with polyester and coated with a specially formulated quick melt SBS modified bitumen. The lower surface has a sacrificial film which rapidly melts during the torching operation.

Systems S-A VCL (Self-Adhesive) - Systems S-A VCL is a high performance vapour barrier for use in adhered IKO Polymeric systems. It is composed of a polyester reinforced aluminium core, coated with a rubber modified, self-adhesive bitumen coating. The membrane is protected on the underside with a release film backing and coated on the top surface with a fine mineral finish. A minimum selvedge of 75mm width, protected with release film, provides a quick means of completing side laps.

Storage

IKO Systems VCL's should be stored on end, on a clean level surface away from excessive heat and under cover. Self-adhesive membranes should be stored between 5°C -24°C for 24 hours prior to use.

Features & Benefits

- Aluminium core
- High tensile polyester base
- High resistance to damage and delamination
- SBS bitumen coating low temperature flexibility -20°C
- Prevents penetration of water vapour and damage to roof construction

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Systems T-O VCL Application

1. Systems T-O VCL should be installed in accordance with BS 8217: 2005, Code of Practice for built up roofing and to IKO Polymeric specifications.
2. Apply Systems T-O VCL by melting the heat dispersible backing and coating to create a molten flow in front of the roll.
3. The flame of the torch should be applied at the low point where the roll meets the substrate or underlay.
4. As the film and bitumen melt, roll the roofing forward.
5. A bead of bitumen must exude from all lap joints to ensure a seal.

Note - The application of torch-on systems should follow the recommended good practices for torch-applied membranes. Care must be taken when using torch applied membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials. Torch on systems should NOT be used on timber substrates.

Systems S-A VCL Application

1. Systems S-A VCL should be installed generally in accordance with BS 8217: 2005, Code of Practice for Reinforced bitumen membranes for roofing, and to IKO Polymeric specifications.
2. All roof decks, and upstands must be primed with IKOpro Bonding Agent and allowed to dry prior to application of self-adhesive membranes.
3. The membrane should be installed as soon as possible after the bonding agent has dried.
4. Self-adhesive membranes should be installed by laying out the roll into the correct position with the release paper intact and cut to size.
5. Roll back to the centre and carefully cut through the release film.
6. Roll the roll forward, at the same time removing the release paper and smoothing on to the substrate.
7. Repeat process for the second half of the roll.
8. All lap joints in the underlay should be a minimum of 100mm and pressure rolled to ensure a good seal.
9. As with all self-adhesive membranes, Systems S-A VCL is easiest to apply at a temperature over 10°C.

Further Product Information

Full product literature, health & safety and technical sheets are available as downloads from our website: www.ikogroup.co.uk or on request by email: marketing@ikogroup.co.uk

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