

THE  
**SIGNATURE**<sup>S</sup>  
 TORCH ON SYSTEM RANGE

## SIGNature Vapour Control Layers

High Performance VCLs with two application options

### Features and 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
- Cold or warm roof applied options

### Description

#### SIGNature VCL (Torch On)

SIGNature VCL is a high performance vapour control layer for use in the SIGNature BUR systems. It comprises an impervious aluminium core, reinforced with polyester and coated with a quick melt SBS modified bitumen. The lower surface has a sacrificial film which rapidly melts during the torching operation.

#### SIGNature VCL (Self-Adhesive)

SIGNature Self-Adhesive VCL is a high performance vapour control layer for use in the SIGNature BUR systems as a cold applied option. 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 selfedge of 75mm width, protected with release film, provides a quick means of completing side laps.

### Product Details

Product	SIGNature VCL Torch On	SIGNature VCL Self-Adhesive
Roll weight	37.0kg	37.5kg
Weight	3.1kg/m <sup>2</sup>	2.5kg/m <sup>2</sup>
Roll Dimensions	12m x 1m	15m x 1m
Base Type	170g/m <sup>2</sup> Polyester	170g/m <sup>2</sup> Polyester



## Application

### **SIGNature VCL (Torch On)**

SIGNature VCL is installed by torch application and should follow the recommended good practices for torch-applied membranes. Apply SIGNature VCL by melting the heat dispersible backing and coating to create a molten flow in front of the roll. The flame of the torch should be applied at the low point where the roll meets the substrate. As the film and bitumen melts, roll the roofing forward. A bead of bitumen must exude from all lap joints to ensure a seal. The membrane is applied with minimum 75mm side and end laps. All substrates must be primed with FIX-R Quick Dry Primer and allowed to fully dry. Care must be taken when using torch applied membranes in close proximity to combustible materials, decorative coatings and heat sensitive materials.

### **SIGNature VCL (Self-Adhesive)**

SIGNature VCL is bonded to the substrate by removing the release film on the reverse of the material to expose the self-adhesive coating. All roof decks must clean and dry, and must be primed with IKO S/A Primer (or IKO Systems Bonding Agent depending on the substrate or specification) and allowed to dry prior to the application of the VCL. As with all self-adhesive membranes, SIGNature VCL is easiest to apply at a temperature over 10°C.

Side laps of SIGNature VCL are self-adhesive under normal conditions. However in cold weather or if the self-adhesive lap has become contaminated, hot air equipment should be used to ensure the laps are fully sealed. End laps should be heat welded using hot-air equipment. If the VCL is to be left exposed as a temporary waterproofing layer, both side and end laps must be heat welded to ensure they are fully sealed. To assist with installation during cold weather conditions, materials should not be stored on the roof overnight.

## Storage

SIGNature Vapour Control Layers 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.

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Full product literature, health & safety and technical sheets are available as downloads from our website [www.sigroofing.co.uk](http://www.sigroofing.co.uk) or on request by email: [info@sigroofing.co.uk](mailto:info@sigroofing.co.uk)

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