



Sika-Trocal Roofing

Single Ply Roofing Membranes
for Ballasted Roofs

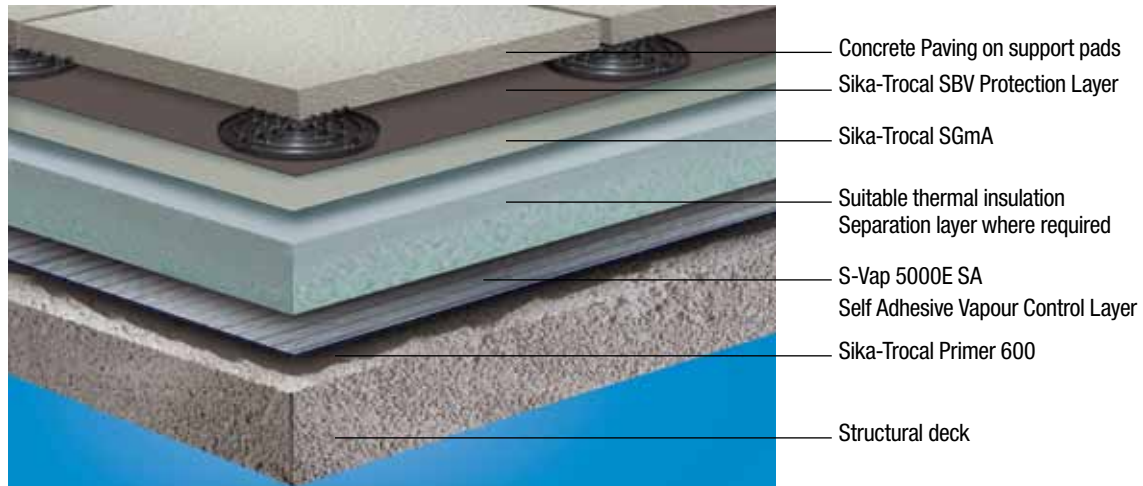
Type SGmA



Sika-Trocal®

Single Ply Roofing Membranes for Ballasted Roofs

Sika-Trocal Type SGmA



For further technical information on Sika-Trocal products, please refer to the product datasheets available to download from www.sikatrocal.co.uk

Sika-Trocal SGmA is a multi-layer, synthetic roof waterproofing sheet based on premium quality polyvinyl chloride (PVC) with an inlay of non-woven glass fibres.

A ballasted (gravel/paved) roof will generally require a stronger supporting structure than that of an exposed membrane roof, but will allow the roof to be covered by a suitable form of ballast enabling its use as a trafficked or leisure area such as a balcony or terrace.

Additionally a ballasted roof will provide a higher degree of sound reduction and, if covered with minimum 50 mm depth of gravel ballast is deemed to achieve an F.AA fire rating.

In the case of ballasted roofs, ballast will consist of rounded gravel 20-40 mm diameter at a minimum rate of 80 kg/m² and 50 mm thickness, or pre-cast hydraulically pressed concrete pavers of 50 mm minimum thickness and approximately 120kg/m². Gravel ballast of 20-40 mm diameter is required in order to provide resistance to the effects of wind scour.

The use of timber decking can also be considered as a roof finish but due to its general lack of sufficient dead weight to resist the wind forces, special measures need to be considered such as independent securing of the waterproofing membrane.

Regardless of the type of ballast, it is important that the waterproofing membrane is adequately protected prior to the installation of the roof finish. In a warm ballasted roof this may be in the form of a protective layer such as the Sika-Trocal SBV heavy duty protection layer, or in an inverted roof construction, extruded polystyrene laid over the Sika-Trocal SGmA.

Characteristics and Advantages of the membrane

- BBA Certification with a life expectancy durability statement 'in excess of 30 years'
- Resistance to UV irradiation during installation period
- Rapid and simple installation
- Simplicity of Detail - Trocal Metal used at all perimeters and changes of direction or plane ensuring that a crisp, simple detail is achieved
- Excellent weldability
- Recyclable
- CE marking according to EN 13984
- Quality management system EN ISO 9001/14001
- High resistance to ageing
- Resistant to all common environmental influences
- Resistance to micro-organisms
- High dimensional stability
- Flexible in cold temperatures
- High water vapour permeability





Accessories

To assist specifiers and contractors in meeting the technical and aesthetic demands of each project, Sika-Trocal offers a range of accessories.

- Vapour Control Layers
- Adhesives
- Fasteners
- Levelling/Separation Layers
- Protection Sheets
- Walkways
- Sealants
- Aesthetic Profiles
- Preformed Details
- Rainwater Outlets and associated accessories
- Rooflights
- Lightning Conductor Clips

Performance standards are set for accessories that are not supplied by Sika-Trocal, our policy is to ensure that strategic partners meet our stringent criteria and provide quality products and support services for our Licensed Contractors.

NBS specifications using the *SikaSpec* Specification Tool

SikaSpec provides a fast, simple and efficient way to create specifications online. By following eight simple steps, SikaSpec enables you to specify each element of the roof construction through a simple step by step process, with each stage offering you a range of options to guide you through the selection process.

Where the roofing components are not supplied by Sika-Trocal, there is an option to specify a generic solution, or select a preferred 'equal or approved' supplier. SikaSpec will even allow you to specify up to three different roof areas on the same building.

At the end of the process, you will receive an electronic Sika specification document and where required an NBS document. Once registered all specifications will be saved in your own account enabling you to repeatedly access and modify specifications as often as you require.

Bespoke Specifications

Where a more complex specification is required a Sika-Trocal Area Technical Manager is available to assist in the creation of a bespoke specification, contact our enquiry line for further assistance on **01707 394444**.

Sika-Trocal Licensed Contractors

To help achieve zero defects on site Sika-Trocal membranes are only supplied to Sika-Trocal Licensed Contractors. Each of these companies is a specialist roofing sub contractor who has had their employees trained in the design, estimation, procurement and installation of Sika-Trocal membranes.

Covering the entire UK mainland the Sika-Trocal network of Licensed Contractors can provide a complete supply and installation package, including the deck, vapour control layer, insulation and appropriate Sika-Trocal membrane, for anything from a small works package to a multi-million pound contract.

Sika-Trocal Installation Inspections

The Sika Roofing Applications Department consists of 11 Roofing Field Technicians each with a minimum of five years installation experience.

The Field Technicians are responsible for monitoring the progress of a project and carrying out guarantee inspections.

www.sikaspec.co.uk

Sika-Trocal®

Sika Full Range Solutions for Construction

Concrete Production



Sika® ViscoCrete®
Sika® Retarder®
Sika® SikaAer®

Waterproofing



Sikaplan®, Sikalastic®
Sika® & Tricosal® Waterstops
Sika® Injection Systems

Flooring



Sikafloor®
SikaBond®

Corrosion and Fire Protection



SikaCor®
Sika® Unitherm®

Concrete Repair and Protection



Sika® MonoTop®
Sikagard®
Sikadur®

Structural Strengthening



Sika® CarboDur®
SikaWrap®
Sikadur®

Joint Sealing



Sikaflex®
Sikasil®

Grouting



Sikadur®
SikaGrout®

Roofing



Type S Mechanically Fixed, Type SGK Adhered, Type SGMa Green, Ballasted and Solar Roofs



Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.



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