

Sika Liquid Plastics Constant Force Post

Fall Arrest Post

Product Description The Sika Liquid Plastics Constant Force Post is a proprietary fall arrest system featuring an integral 4500J energy absorbing coil that, in the event of a fall, deploys in a controlled manner to absorb the force generated. This ensures that the load exerted on the point of attachment will not exceed 10 kN and allows the post to be used in a Sika Liquid Plastics roofing system.

Uses

- Reducing the potential of falls from height
- To be used in conjunction with Sika Liquid Plastics liquid applied roofing systems

Characteristics / Advantages

- Can be used on flat, low pitch & curved roofs
- Suitable for three users at any one time
- In the event of a fall, the posts deploy to absorb the energy and so leave the roof panel intact
- Integral energy absorber that limits loads to 10 kN in the event of a fall.
- Posts can be used in fall arrest and fall restraint systems.
- Compatible with Sika Liquid Plastics liquid applied roofing systems
- Quick and easy to install
- Does not need to be attached to structural steel or purlins.
- Post design is smaller and more unobtrusive than most other brackets.
- The system blends with the overall building design and so maintains the architectural integrity.

Tests

Approvals / Standards

- Tested in accordance with BS EN795 in classes A2 & C
- Quality management system ISO 9001:2008 & ISO 14001:2004

Product Data

Form

Appearance Surface: Smooth Aluminium
Colour: Silver

Storage

Storage Conditions The Sika Liquid Plastics Constant Force Post should be stored in dry conditions and protected from damage.

Technical Data



Materials	Base Plate:	Bare Aluminium
	Insulating Ring:	Glass Filled Nylon 66
	Tube:	Bare Aluminium
	Dome:	316s Stainless Steel, Electro Polished
	Internal assembly:	316s Stainless Steel
	Nuts & Bolts:	Marine Grade A4 Stainless Steel
	Insulating washers:	Nylon 66
	O-Ring:	Nitrile
	Weathering Cap:	UV resistant high grade plastic cover cap

Strength	<ul style="list-style-type: none"> ■ Initial yield force 2.7kN ■ Continuous deployment force typically 10kN ■ Ultimate strength after full deployment greater than 20k
-----------------	---

System Information

System Structure	<p>Detailing the Constant Force Post</p> <p>Sika Liquid Plastics liquid applied roofing system Sika Primer 204N (adhesion promoter to metal) Sika Liquid Plastics Constant Force Post (installed by a Latchways Registered Installer in accordance with the manufacturer's instructions)</p> <p>Built Up Roof System</p> <p>Sika Liquid Plastics liquid applied roofing system Primer 600 & Carrier Membrane SA Decostik SP & Decotherm Insulation Primer 600 & S-Vap 5000E SA Roof Deck</p>
-------------------------	--

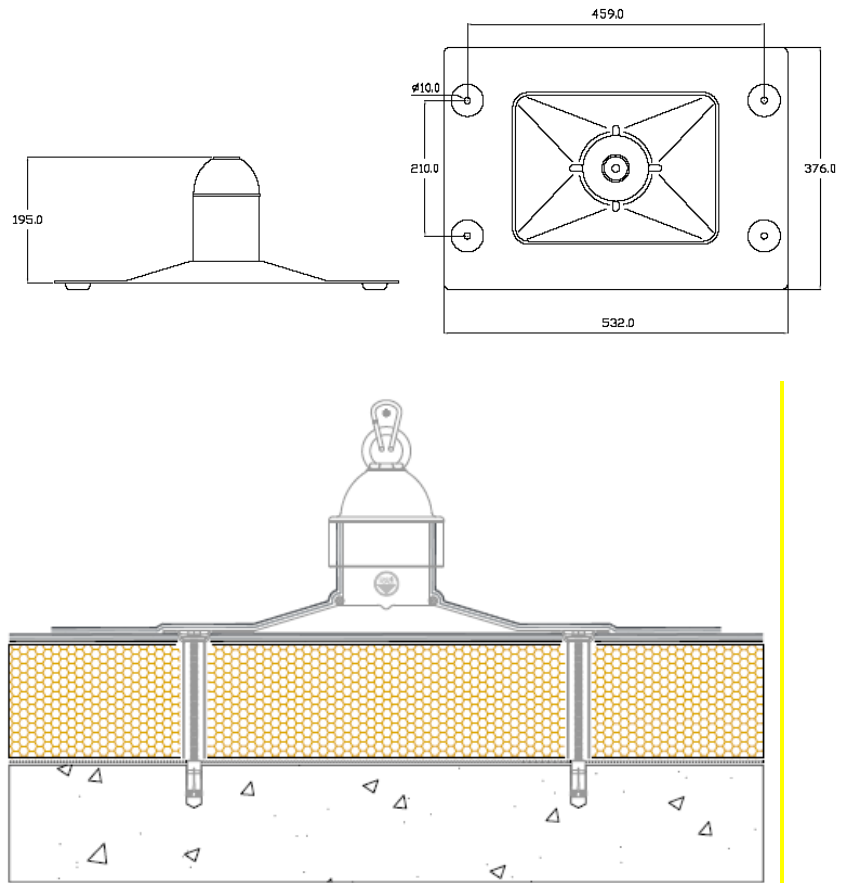
Application Conditions/Limits

Installation Instructions

Installation Method	<p>Ensure that the liquid applied membrane is fully cured prior to the application of Sika Liquid Plastics Constant Force Post Refer to the relevant product datasheet for more information</p> <p>The Sika Liquid Plastics Constant Force Post is to be installed in accordance with the manufacturer's instructions by a Latchways registered installer.</p> <p>Detailing the Constant Force Post</p> <p>Ensure that the 5mm nitrile O-ring is in place around the circumference of the vertical post prior to coating as it provides a bond break allowing the liquid applied waterproofing membrane to shear if the post is deployed.</p> <p>The bare aluminium post and plate would be prepared by abrading the surface using a wire brush, priming with Sika Primer 204N (adhesion promoter to metal) and then applying the Sika Liquid Plastics liquid applied roofing system lapped onto the waterproofed roof by 300mm.</p>
----------------------------	---

Notes on Installation	Installation works to be carried out only by Latchways Registered Installers
------------------------------	--

Dimensions



Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Ecology, Health and Safety Information	The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.
Protective Measures	Local safety regulations must be observed.
Transportation Class	The product is not classified as hazardous good for transport.

General Information

Specification Assistance	NBS is the industry standard specification system, which allows architects, specifiers and engineers to insert clauses into specifications by manufacturer and product, making the process quicker and more efficient. We are members of NBS Plus and therefore detailed up-to-date product information is readily available to create accurate specifications.
---------------------------------	---

Disclaimer	The information, and, in particular, the recommendations relating to the application and end- use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.
-------------------	---

Contact Details	For further information please contact:
------------------------	---

Sika Liquid Plastics
Sika House
Miller Street
Preston
Lancashire
PR1 1EA

Enquiry line: +44 (0)1772 259781
Fax: +44 (0)1772 255670
e-mail: liquidplastics@uk.sika.com
Website: www.liquidplastics.co.uk

Registered office: Sika Ltd, Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Registered in England: 226822

