

PRODUCT DATA SHEET

SikaRoof® VersiWeb®

SOIL CONFINEMENT CELLS FOR SLOPE STABILISATION OF LANDSCAPE FEATURES

DESCRIPTION

SikaRoof® VersiWeb® is a cellular confinement system used to provide an effective measure for erosion and slope stabilisation by preventing movement of infill material with the individual cells. It is manufactured from recycled high density polyethylene (HDPE) with cell heights ranging from 50 mm to 200 mm for various surface infill depths.

SikaRoof® VersiWeb® comprises strips of perforated, expandable and flexible thermoplastic that are ultrasonically bonded to form a honeycomb matrix. Cells are secured onto slopes at intervalled anchor points according to the specification of geotechnical engineers, or may be stacked in layers to enhance structural and shear strength.

USES

Confinement cells for slope stabilisation of landscape features both on concrete or on-grade surfaces.

CHARACTERISTICS / ADVANTAGES

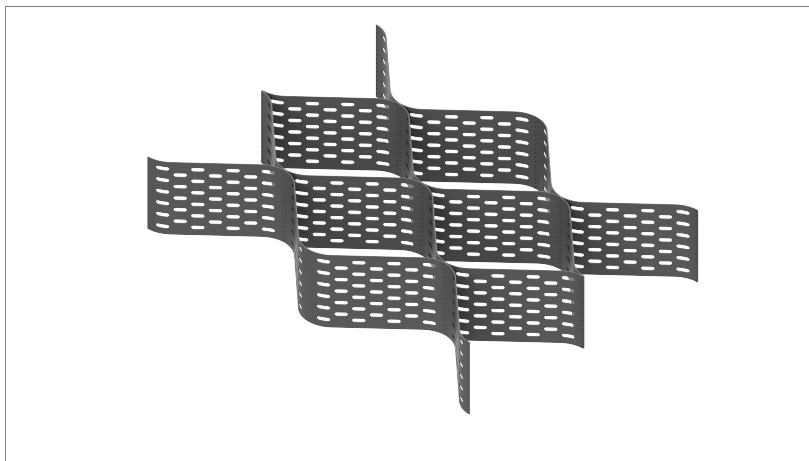
- High tensile strength
- Strong and long-term seam weld strength
- High environmental stress crack resistance
- Resistant to biological attack by moulds and algae
- Chemically resistant to acids, alkalis, oils and soil chemicals
- Operates within a wide service temperature range

APPROVALS / STANDARDS

- Singapore Green Building Product (Leader) Cert. No. SGBP 3259

PRODUCT INFORMATION

Packaging	SikaRoof® VersiWeb®				
	2440 x 6100 x	2440 x 6100 x	2440 x 6100 x	2440 x 6100 x	2440 x 6100 x
	50	75	100	150	200
	Refer to pricelist				
Appearance / Colour	Black perforated expandable cells				



Shelf Life	No expiration date if the product is stored in accordance to the storage conditions as stated in this Product Data Sheet														
Storage Conditions	Products must be stored in their original packing, laid in a horizontal position, and under cool and dry conditions. The product must be protected from direct sunlight, rain, snow and ice, and any other elements.														
Dimensions	<div>Panel size</div> 6,100 x 2440 mm <div>Cell size</div> 244 x 203 mm														
Thickness	<div>Panel Thickness</div> <table><tr><td>2440 x 6100 x 50</td><td>2440 x 6100 x 75</td><td>2440 x 6100 x 100</td><td>2440 x 6100 x 150</td><td>2440 x 6100 x 200</td></tr><tr><td>50 mm</td><td>75 mm</td><td>100 mm</td><td>150 mm</td><td>200 mm</td></tr></table>					2440 x 6100 x 50	2440 x 6100 x 75	2440 x 6100 x 100	2440 x 6100 x 150	2440 x 6100 x 200	50 mm	75 mm	100 mm	150 mm	200 mm
2440 x 6100 x 50	2440 x 6100 x 75	2440 x 6100 x 100	2440 x 6100 x 150	2440 x 6100 x 200											
50 mm	75 mm	100 mm	150 mm	200 mm											

TECHNICAL INFORMATION

Tensile Strength	Longitudinal 18.5 MPa Transverse 19.5 MPa
Seam Strength	Long-term seam hang strength > 30 days
Resistance to Environmental Stress Cracking	> 3,000 hours
Service Temperature	- 20 °C to 120 °C

BASIS OF PRODUCT DATA

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.

IMPORTANT CONSIDERATIONS

- SikaRoof® VersiWeb® is not resistant to permanent weathering and UV exposure.
- When used in combination with Sarnafil® or Sika-Plan® membranes, a separation/protection layer is recommended.

For more information, please contact Sika Sales Personnel.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

LEGAL NOTES

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.

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Product Data Sheet

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