

PRODUCT DATA SHEET

SikaRoof® VersiWeb® AU

SOIL CONFINEMENT CELLS FOR SLOPE STABILISATION OF LANDSCAPE FEATURES

DESCRIPTION

SikaRoof® VersiWeb® AU 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 75 mm to 200 mm for various surface infill depths. SikaRoof® VersiWeb® AU comprises strips of perforated, expandable and flexible thermoplastic that are ultra sonically 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.

FEATURES

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

PRODUCT INFORMATION

Packaging	▪ 75mm high - Dimensions 5.2m x 8.84m = 45.96m² ▪ 100mm high - Dimensions 5.2m x 8.84m = 45.96m² ▪ 150mm high - Dimensions 5.2m x 8.84m = 45.96m² ▪ 200mm high - Dimensions 5.2m x 8.84m = 45.96m²
Colour	Black
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

TECHNICAL INFORMATION

Seam strength	Long term seam peel-strength test shall be performed on all resin or pre-manufactured sheet or strips. A 100mm wide seam sample shall support a 72.5 kg load for a period of 7 days minimum in a temperature controlled environment undergoing a temperature change on a 1 hour cycle from ambient room to 54°C (130°F). Ambient room temperature is per ASTM E 41.
Resistance to environmental stress cracking	> 3,000 hours

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® AU 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

APPLICATION INSTRUCTIONS

NOTES ON INSTALLATION

Accessories:

- Tendons - Polymer type and design tensile strength depends on geometry, anchorage design and chemical environment. Long term creep performance is important.
- Atra Clip - Attached to tendons, provides positive transfer of sliding loads to the tendon system.
- Tendon Anchor Systems - Tendon anchor type depends on geometry, environment, site conditions and infill type. Dead-man crest anchors or earth anchors are generally recommended

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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