

## PRODUCT DATA SHEET

# SikaRoof® VersiTank®-533

## STORMWATER MODULES FOR ATTENUATION OR CONVEYANCE IN LANDSCAPE FEATURES

### DESCRIPTION

SikaRoof® VersiTank®-533 is a high strength drainage module manufactured from recycled polypropylene (PP), and constructed using 7 interlocking panels that forms 260 mm (horizontal) deep or 500 mm (vertical) deep at-source stormwater conveyance or attenuation systems.

SikaRoof® VersiTank®-533 forms a void area between landscape features and the substrate, providing excellent drainage, attenuation and conveyance.

### USES

Attenuation or conveyance layer for both trafficable and non-trafficable areas in porous and non-porous surfaces, such as perimeter drains along carparks and driveways, subsoil drainage against weep holes in planters, and vertical drainage cavities in planter boxes, in combination with a suitable waterproofing membrane or geotextile layer to prevent clogging of the drainage layer.

### PRODUCT INFORMATION

#### Packaging

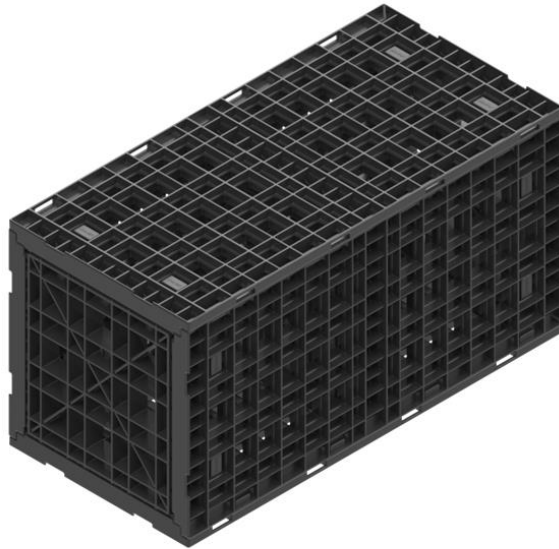
- SikaRoof® VersiTank®-533: 1 set / bundle

### CHARACTERISTICS / ADVANTAGES

- High compressive strength
- Smooth base, safe for direct laying onto waterproofing membrane
- Interlocking module design ensuring continuous drainage
- 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 3257



|                           |                                                                                                                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shelf Life</b>         | No expiration date if the product is stored in accordance to the storage conditions as stated in this Product Data Sheet                                                                                           |
| <b>Storage Conditions</b> | Bundles 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 |
| <b>Dimensions</b>         | 500 x 240 x 260 mm                                                                                                                                                                                                 |
| <b>Weight</b>             | 2.8 kg                                                                                                                                                                                                             |

## TECHNICAL INFORMATION

|                             |                          |                             |
|-----------------------------|--------------------------|-----------------------------|
| <b>Compressive Strength</b> | <b>Horizontal</b>        | <b>Vertical</b>             |
|                             | 270 kN/m <sup>2</sup>    | 170 kN/m <sup>2</sup>       |
| <b>Service Temperature</b>  | - 30 °C to 80 °C         |                             |
| <b>Volume</b>               | <b>Surface Void Area</b> | <b>Internal Void Volume</b> |
|                             | 80%                      | 90%                         |

## 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® VersiTank®-533 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)

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

For on structure application, clean and sound surface shall have at least a wood float finish. All holes, joints, and cracks and honeycombs in concrete or masonry surfaces shall be filled with an approved grout and allowed to cure. High spots in concrete or masonry surfaces shall be cut off or ground down to prevent damage/ puncture to the drainage module.

For on grade application, pit area shall be excavated to pre-determined dimensions, and the base shall be compacted using a mechanical compactor. A layer of coarse aggregate according to specifications shall be spread over the base and compacted using a mechanical compactor. A layer of coarse sand typically 50 mm, shall be spread over the aggregate and compacted using a mechanical compactor.

### APPLICATION

For infiltration tanks, SikaRoof® VersiTank®-533 shall be assembled and installed wrapped in an approved geotextile without any holes except for pipe connections. Sand shall then be spread over and around the pit area before backfilling of a minimum of 200 mm of soil / planting media.

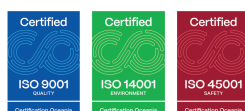
For storage tanks, SikaRoof® VersiTank®-533 shall be assembled and installed wrapped in an approved membrane for walls and base, and an approved geotextile for the top, without any holes except for pipe connections. Sand shall then be spread over and around the pit area before backfilling of a minimum of 200 mm of soil / planting media.

## 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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