

ShieldDIVERSE System

Description

Similar to brown roofs, ShieldDIVERSE is a bio-diverse living roof system that encourages the growth of local plants and provides the perfect habitat for insects, birds and other local wildlife with improved aesthetic through a select seed mix manually placed to influence growth onto the system. It can provide the necessary shelter for species that would otherwise be displaced by the building footprint.

Product Guidance

Drainage Layer:

- ShieldDRAIN drainage sheet
- Thickness - 7mm-200mm
- Can be cut and shaped around particular details

Geotextile Filter Membrane:

- Recycled multi-coloured polyester
- Weight - 300g/m
- Laid above and below drainage layer

Low nutrient growing medium:

- Crushed brick or rubble
- Locally sourced marine aggregate and grit
- Growing medium
- Wood mulch

Vegetation:

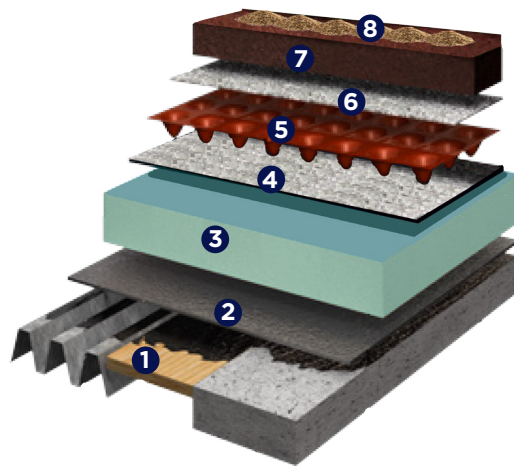
- Sedum, wildflower seeds are planted with native or local plants
- A natural sustainable habitat can be created
- Very low maintenance and no irrigation required
- Opportunities to recycle site waste in substrate (This must be tested prior to being used as ShieldDIVERSE roofing system)

Product Specification

Manufacturer:

- Name: Shield Membranes Ltd
- Email: info@shieldmembranes.com
- Component Ref: Component ShieldDIVERSE System
- Drainage Layer: ShieldDRAIN (7-200mm)
- Growing medium: Low nutrient
- Fertiliser: Not required
- Vegetation: Sedum/Wildflower mix
- Vegetation barrier: 20-40mm Washed pebbles
ShieldMET retainer
- Outlet Inspection Chamber: ShieldSPECT inspection chamber (500 x 500 x 100mm)

Typical Build Up



1. Substrate
2. ShieldTEC Hotmelt System
3. ShieldBOARD XPS Insulation
4. Geotextile Filter Layer
5. ShieldDRAIN Drainage Layer
6. Geotextile Filter Layer
7. ShieldBROWN Growing Medium
8. Sedum / Wildflower / Local Seed Mix

Disclaimer

The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Shield Membranes reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.

0207 740 9279 | www.shieldmembranes.com | info@shieldmembranes.com

“You’re protected with Shield on your side”



SHIELD MEMBRANES

“You’re protected with Shield on your side”



NFRC

LEADING ROOFING EXCELLENCE

