

ShieldBROWN

Description

The ShieldBROWN system is a low maintenance system up that requires little to no irrigation as it is a made up of recycled materials mixed into the growing medium. This type of living roof is intended to create a natural wasteland that becomes the basis for local fauna and flora to intervene into the self-germinate substrate. The system begins as a blank canvas but over time along with the building life, the top of the substrate will slowly develop with local vegetation through the influence of its surroundings. The main benefit of this build up is that it requires very little maintenance as it is self sustained and self germinating.

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:

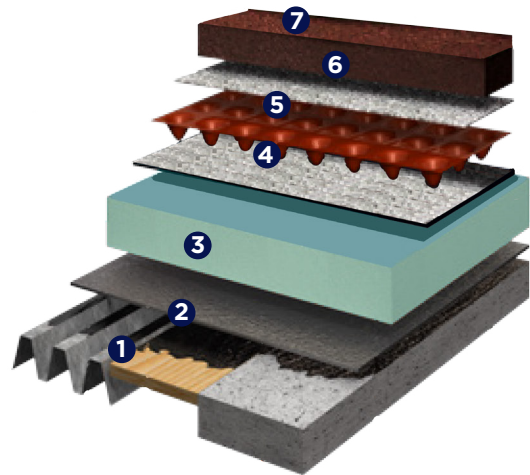
- Crushed brick or rubble
- Locally sourced marine aggregate and grit
- Growing medium
- Wood mulch

Product Specification

Manufacturer:

- Name: Shield Membranes Ltd
- Email: info@shieldmembranes.com
- Component Ref: Component Brown Roof System
- Growing medium: Low nutrient
- Fertiliser: Not required
- Vegetation: Self-vegetate from local fauna
- 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

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.

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