

Component Green Roof Systems

This system is designed for extensive green roofs with a substrate level of between 70mm and 200mm.

The vegetation can be grass, sedum blankets, sedum/wildflower mixes, herbs or bio-diverse (brown roof) plants; depending on the wishes of the client.

Each layer or component is supplied separately in bag or roll form and installed separately as a “dry” build-up. This allows easy access to roof areas.

This system is ideal for large scale areas, unlevel or more complicated decks as it is flexible and “built into” the existing structure.



The Build-up

From the upper surface, working down:

Vegetation – standard products either

- ▶ grass grown from Pro-grass pre-seeded biotextile,
- ▶ sedum blanket or
- ▶ sedum/wildflower mix

Growing medium/substrate at an absolute minimum of 70mm deep up to 200mm, containing

- ▶ crushed lecca or crushed brick
- ▶ green waste (up to 30%)
- ▶ peat (10%)
- ▶ locally sourced marine aggregate and

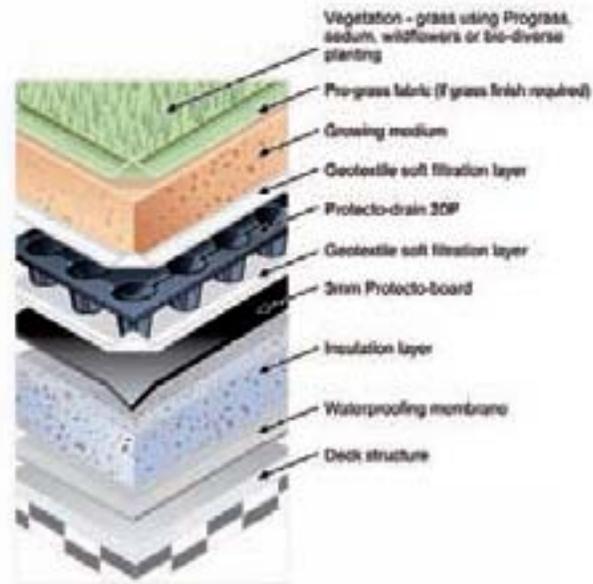
- grit
- ▶ 12-14 month release fertilizer (if required)

Geotextile filtration layer

**20mm perforated
Protectodrain 20P**

Geotextile filtration layer

**Wallbarn 3mm
Protectoboard (where
appropriate)**



Grass finish:

Using Pro-grass biotextile fabric and laid into a substrate 200mm
Can tolerate higher level of traffic
Grass takes approximately 4 weeks to grow and is fully established after 4 months
Less rainwater runoff (up to 60% retained)
Regular maintenance and irrigation required
Saturated weight up to 150kg per m²



Sedum blanket:

70mm substrate
Sedum supplied in established (9 month old) blanket
Instant green roof
Very low maintenance, weed clearance once per year
Drought resistant, little irrigation required
Saturated weight approximately 50kg per m2



Sedum/wildflower blanket:

70mm substrate
Plug planted mixture and established into thin layer of substrate.
Native, local plants can be used including herbs, bulbs and heather
Can take up to 24 months to be fully established
Fairly low maintenance depending on vegetation
Saturated weight approximately 50kg per m2



Brown roofs:

70mm substrate
A basic sedum / wildflower blanket supplied interspersed with native, local plants
Natural, sustainable habitat can be created
Very low maintenance and no irrigation required
Opportunities to recycle site waste in substrate



Plug planted extensive roofs:

- Up to 200mm substrate
- Plug planted vegetation installed on site
- Large variety of foliage available
- Very low lead times
- Can be installed at any time of year
- Can take up to 24 months to be fully established
- Less rainwater runoff (up to 60% retained)
- Higher maintenance
- Saturated weight up to 200kg per m² depending on vegetation

