

Technical Over view of the Evergreen Sedum Blanket and green roof build up.

Evergreen Sedum Blanket comprising:

Membrane type: coir backed with polypropylene mesh for strength. Depth approx. 25mm. Flowering height up to 100mm.

Approximate saturated weight 25KG per Msq

Supplied in 2m x 1.2m blankets, 1m x 1m on request

Growing substrate: crushed lava rock and specially formulated soil compound

Sedum type contained within the mat: Lydium, Hybrium, Album, Acre, Reflexum, Sexangulare and Spurium as standard.

Bespoke blankets can be grown to order to include herbs, meadow flowers and grasses

Soil mix (Soil substrate on the drawing)

Free draining and light specially formulated for Evergreen Roof Gardens. Raked and laid depth dependent on client's requirements 20-25mm.

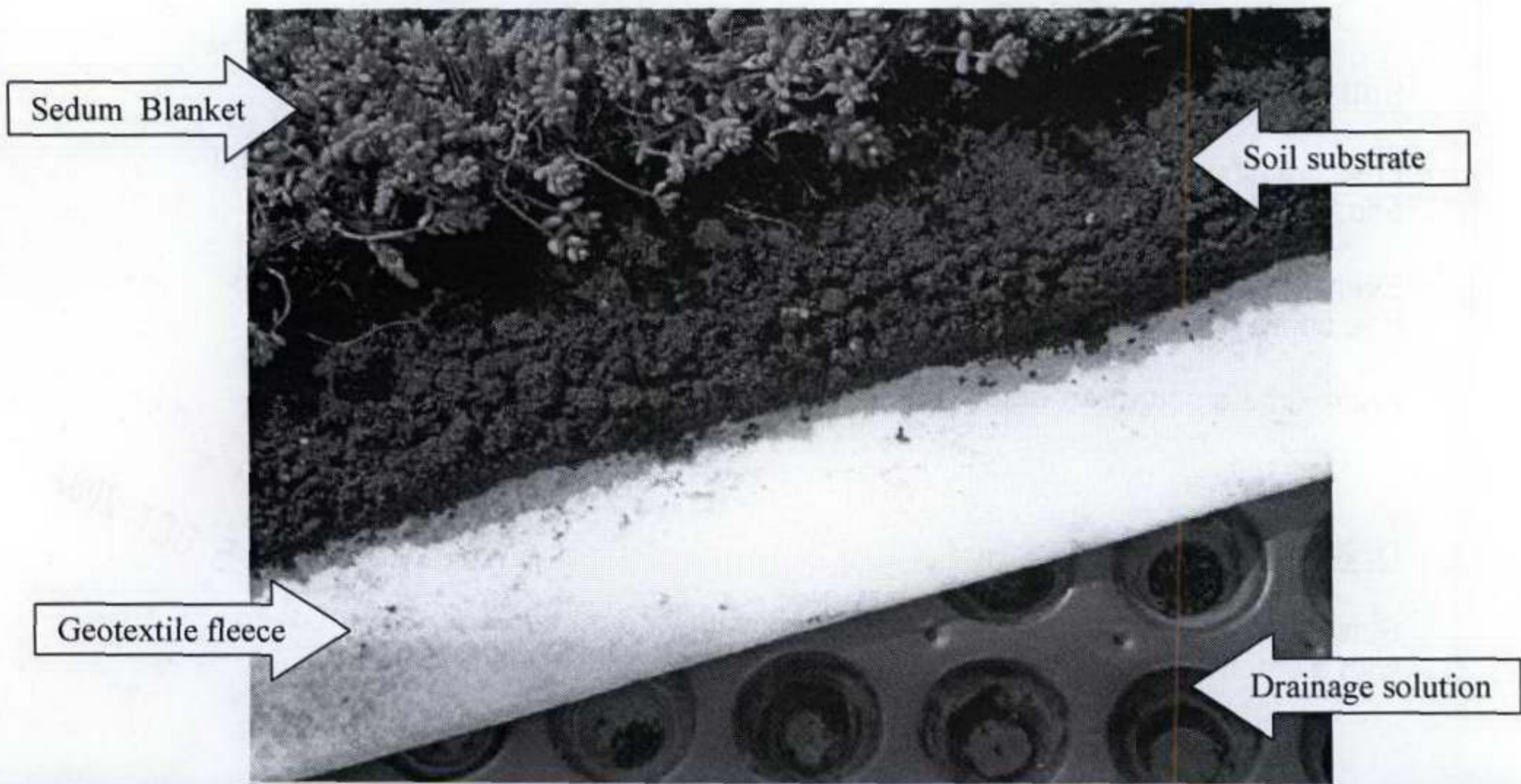
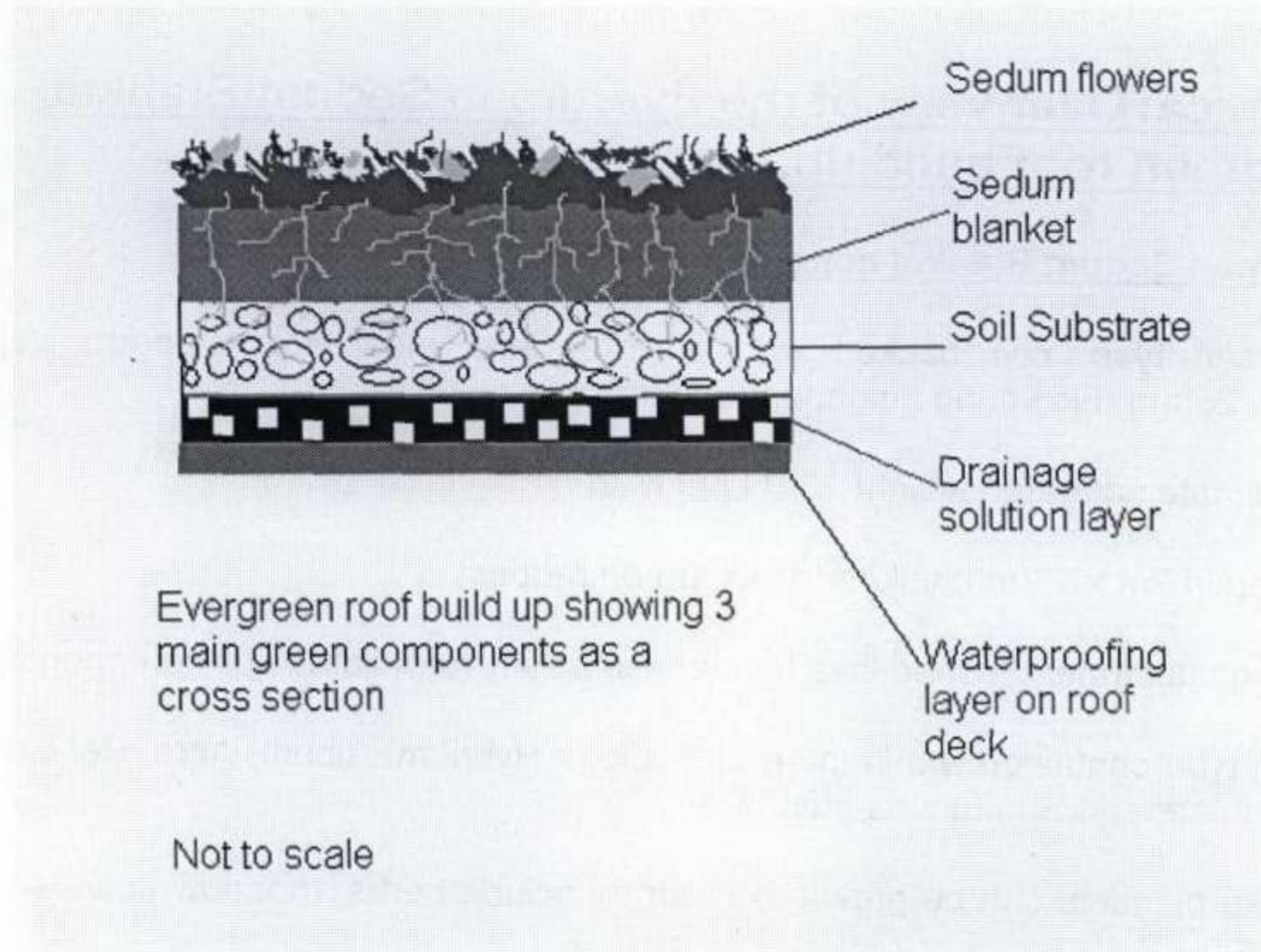
Evergreen 30/30/40 formulated soil mix comprising 30% sandy loam, 30% peat free compost and 40% Bacel hydroscopic flakes

Approximate saturated weight 25-28KG per Msq

Drainage Solution

Plastic cusped perforated drainage sheet with water reservoirs. 20 mm deep with a saturated weight of 7 KG per msq. 100g geotextile fleece covering

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Aftercare of the Sedum Roof Garden

Now that you have had your sedum green roof installed, an element of aftercare will be required to ensure the long term performance of this unique natural product.

This will include the removal of any airborne perennials and grasses that may at some point decide to take refuge in the mat due to the UK habitat and climatic conditions. In the majority of cases these can be simply removed by lifting from the mat as their roots will be superficial and not deep rooted.

Secondly, ensure all natural debris and leaves are removed from the roof surface and rainwater gutters etc to ensure no blockages occur, which may otherwise lead to pooling on the roof and a dramatic increase in perennial weeds and grasses.

If the above procedures are carried out, the roof garden should be well established in 12-18 months which should ultimately see a reduction in maintenance.

For further information on post installation maintenance routines please contact the Evergreen Roof Gardens Ltd Helpline on 01903 600122. Details and prices upon application.

Evergreen Roof Gardens Ltd may change product specifications without prior notification.

Aftercare Package Contents from Evergreen Roof Gardens Ltd

In addition to the general clearing of gutters and outlets etc the horticultural maintenance will include the following procedures completed on a seasonal basis determined by the maintainer.

Feb to April – Identify any grasses/ weeds that have become resident since installation as a result of geographical location etc and address the germination issues before flowering and self seeding. Weed kill any resident grasses and weeds by means of weed wiping. Please note, this operation can only be completed successfully in dry conditions.

March and September - feed sedum roof with a slow release NPK fertiliser (Nitrogen, Potassium and Phosphorus) to assist in promoting long term healthy growth as recommended by the manufacturer generally 100g covering 25msq.

July to September- Any seed heads that have formed on still resident grasses and weeds will be removed to stop any self seeding and germination the following Spring (see Feb to April paragraph)

Points for the client to consider about a sedum roof in a post installation situation.

- Sedum plants are living entities, they are not inanimate objects
- Each Sedum type (species) grows and spreads at different rates
- They flower at different times
- Sedum is low maintenance rather than no maintenance.
- Seasonal structured maintenance detailed above is an on going process, rather like a normal gardens maintenance routine, but less intensive.
- Due to geographical location i.e. rural, semi rural N, W, S, E of England etc grasses and weeds can become resident in the blanket after installation. This is precisely why we recommend the structured aftercare program detailed above.
- As there is not only one type of green roof system on the market, each system may look and perform differently in both the short and long-term. Patience on behalf of the client is therefore required as once again these are living entities that need time to totally establish (12-18 months at least).

Evergreen Roof Gardens Ltd

06 February 2006