

Extensive - 40:40

LIGHTWEIGHT EXTENSIVE ROOF GARDEN GUIDELINES

Fytogreen Australia's lightweight extensive roof garden system works to the following depth options and saturated weight guidelines.

The soil mix is 40% Hydrocell flakes, 15% composted organic matter, 30% 10-14mm scoria and 15% <7mm Scoria by volume.

Saturated bulk density is 770 kg/m³

Soil Mix

THIN PROFILE

40mm depth

Layer 5:

36 kg psm (incl 15% extra for particle intergration) - of which 12.5kg is water.

Layer 4:

Hydrocell Hardfoam RG30 Flakes-40mm thick. Saturated weight allowance of 20kg/m² at 40mm of which 18kg is water.

Layer 3:

Geotextile Membrane- Various types such as Bidim A14G. Thickness 2mm, weight negligible.

Layer 2:

Drainage Layer- Allow 20mm for Fytonop 20-cups up holding 4 litres of water/m²

Layer 1:

Vapour Layer- LDPE plastic is laid as extra protection for the water proof membrane
Thickness 0.02mm, weight negligible.

Total Depth:

100mm

Total Saturated
Weight:

61 kg psm

Total Water at Field Capacity: 34.5 litres/m²

Please note:

The weights shown do not include plants or mulch mat. For example, rolled turf weighs approximately 15kg psm. Native grasses and succulents are approx 13kg/m² and wet mulch mat is up to 12kg/m².

Disclaimer: This information is supplied in good faith and trials are recommended by the user to test the suitability of the procedure in their climatic region. The system now covers 2 million square metres of roof garden in Europe since 1985 and 11,000m² in Australia since 2002. No liability will be accepted by Fytogreen Australia or it's representatives as to the final performance based on this information.

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