

Semi-Extensive**LIGHTWEIGHT SEMI-EXTENSIVE ROOF GARDEN GUIDELINE**

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

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

Saturated bulk density is 770 kg/m³

Soil Mix			
Layer 5:	60mm depth 56 kg psm	70mm depth 67 kg psm	80mm depth 77 kg psm

Layer 4:	Hydrocell Hardfoam RG30 Flakes -60mm thick. Saturated weight allowance of 30kg/m ² at 60mm of which 27kg 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/m ²
Layer 1:	Vapour Layer - LDPE plastic is laid as extra protection above the waterproofed roof. Thickness 0.02mm, weight negligible.

Total Depth:	140 mm	150 mm	160 mm
Total Saturated Weight:	92 kg/m²	103 kg/m²	113 kg/m²
Total Water at Field Capacity:	49.7 litres/m ²	52.8 litres/m ²	56 litres/m ²

Please note: The weights shown do not include plants or mulch mat. For example, rolled turf weighs approximately 15kg ps 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. No liability will be accepted by Fytogreen Australia or its representatives as to the final performance based on this information.
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