

Green Roof Information

Sedums, which are commonly known as Stonecrops, are the core species for the green roof system. They are a versatile and attractive ground cover plant belonging to the *Crassulaceae* family. *Sedums* are evergreen, self-generating, drought resistant and capable of withstanding extremes of climate. They flower from early summer through to autumn in shades of pink, purple, yellow and white. Needing very little attention and no mowing or cutting back, they give excellent foliage colour and texture and are attractive to all kinds of insects and birds. *Sedums* are generally pest and disease free.

The 200mm structural roof joists are filled with 100mm of polyurethane rigid insulation. A 20mm OSB3 plywood deck provides a substrate for the green roof. A single ply PVC membrane fully adhered to the deck forms the waterproofing layer. A lightweight water storage and drainage layer provides additional water storage and used in conjunction with a filter fleece prevents the growing medium washing through the system. The 50mm growing medium including a slow release nutrient source allows the pre grown *Sedum* matt to establish its root structure into the medium and stabilise over time.

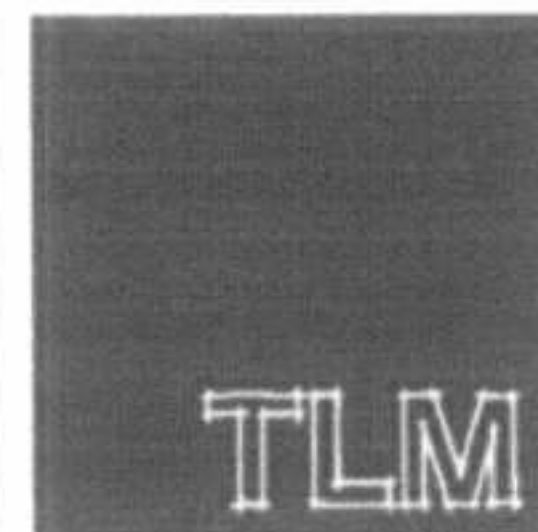
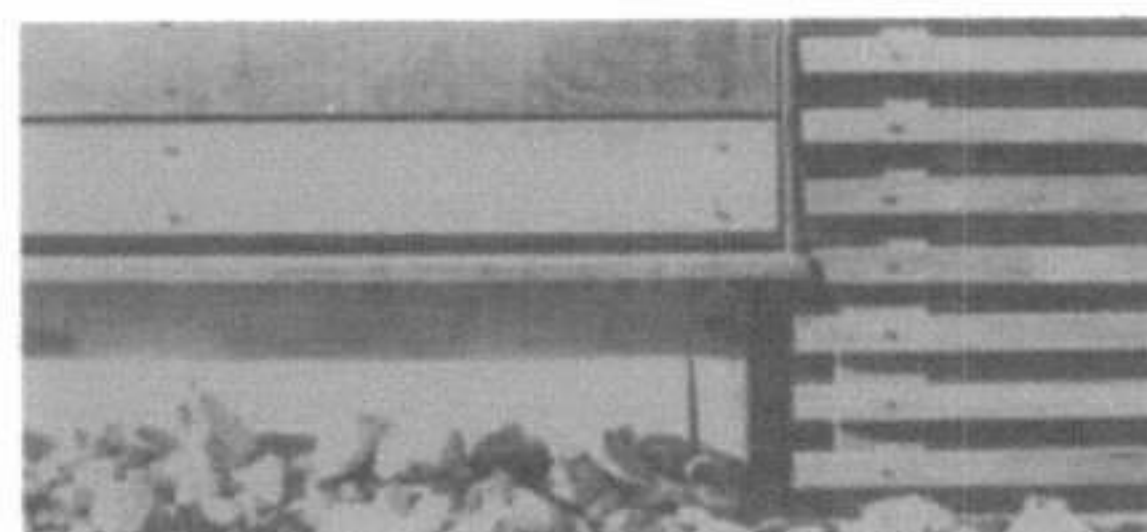
Plant Species

Sedum album (White stonecrop) Appearance changes with the seasons: wet periods-green and lush, dry periods-can be red, bronze or brown. Leaf size can also change depending on season and location. Blunt, scattered leaves. Small pink-white flowers.

Sedum album minima A small leaved form of *Sedum album* which grown in Somerset.

Sedum album 'Athoum'. A form of album with particularly globose (plump) leaves which are flat on the upper surface and turn orange then rich deep red in summer. Flowers are small and pink.

Sedum reflexum or *Sedum rupestre* (Crooked stone crop). Sturdy, upright plant with tall, bright yellow flowers. When in bud the tips are reflexed or turned over. The species is variable but the form/shape is distinct.



Sedum spurium Comes in many forms. Large flat, broad leaves, creeping and evergreen.

'Green Mantle' has large constantly green leaves. Flowers white fading to pale pink.

Cocchinium has leaves that tinge red and redder flowers.

'Fulda Glut' is redder with darker pink flowers.

'Tricolor' has green leaves edges with white and flushing wine red in sun, gives a three-coloured effect.

Sedum hispanicum glaucum or var. *minus* (glaucous stone crop). Compact tufts of leaves can be pale blue-green, grey or pink-purple. Short, flat-topped flowers, pink and white.

Sedum lydium Small, carpet-forming tufted species with narrow, bright green leaves that turn copper red in full sun. Pink-white flowers.

Sedum acre 'Aureum' larger, variegated form of *Sedum acre* (Biting stone crop). Leaves have a silvery tint through winter but look golden/buttery yellow during spring and summer. Bright yellow flowers.