NATIONAL ROOFING

COVERING YOU, COVERING THE UK

Green Roof Systems

Green roofing systems are fast becoming an alternative way to finish a flat roof, in a manner that not only results in an aesthetically appealing finish but also helps to improve the fabric of the building and the environment in the process.

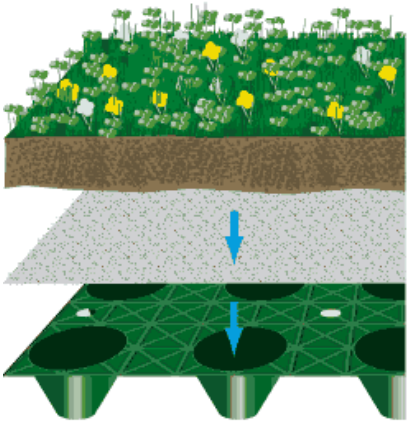
Flat green roofs can either take the form of extensive (consisting of a thin layer of turf or sedum matting), or intensive (characterised by a greater soil depth that can even accommodate shrubs and trees). This more frequently takes the form of rooftop gardens, providing valuable secluded green space in urban settings.

Such roof systems provide the homeowner with a living surface that:

- Is visually attractive
- Requires little or no maintenance
- Improves rainwater management
- Improves the building's thermal performance
- Reduces sound transmission through the roof
- Improves the immediate air quality

Typical Green Roof Build-up

On flat or gently sloping roofs (less than 5 degree pitch), a green roof can be constructed with few materials as detailed below:

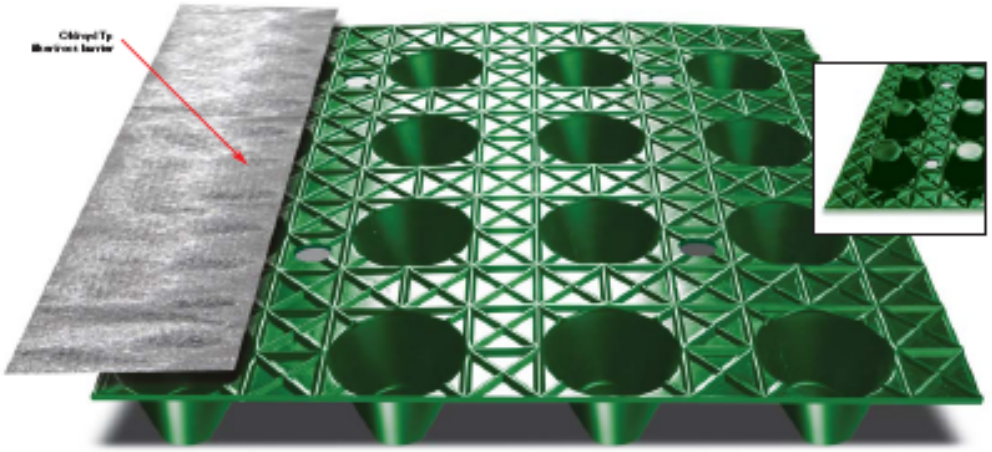


1. Waterproof membrane, in this case EPDM rubber roofing, which can be either the one piece sheeting or self adhesive roll system.
2. Oldroyd Tp filter fleece, to protect the EPDM from "chaffing" by the drainage layer.
3. Oldroyd Xv20 drainage layer
4. Root barrier/filter fleece layer

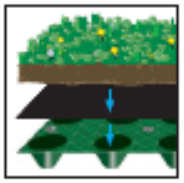
The drainage layer is perforated to allow excess water to drain from the roof, preventing waterlogging of the planting. The 20mm deep studs provide a water reservoir during periods of drought. Since the water drains directly onto the roof then it is important the EPDM layer is sealed in the normal manner on the base and up the sides where necessary. The filter fleece layer, which is installed above and below the drainage layer not only prevents the planting medium being washed away as the water drains through but also acts as a root barrier to prevent damage to the waterproof membrane.

OLDROYD
Xv20 greenXtra

FOR EXTENSIVE PLANTING REGIMES, FLAT ROOFS,
ROOF GARDENS, BROWN ROOFS AND ROOF TERRACES.



Oldroyd Xv20 greenXtra is a durable perforated membrane with a 20mm deep stud designed specifically for use in green and living roofs. The studs collectively form a rainwater reservoir, providing water for the roof plantings which is useful in areas of low rainfall. The 8mm diameter perforations allow any excess water to drain away. Oldroyd Tp felt laid on top of the membrane ensures root aeration and provides a root barrier.



Oldroyd Xv20 greenXtra membrane provides water management for green and living roofs and contributes to a reduction in the rate of rainwater run-off. As part of the Oldroyd family of green roof membranes, Xv20 greenXtra is made from high-grade polypropylene with a TPO* outer layer. This creates a rubberised surface on both sides, providing an extremely tough non-slip membrane which is easy to use, even at low temperatures and around complex constructional details. Oldroyd Xv20 greenXtra has the same safety benefits and is fully compatible with other membranes in the Oldroyd Membrane System.

*Thermo plastic polyolefins