



Green Technology for  
The Urban Environment

## Type II Roofmeadow® Aromatic Garden Assembly

Our experience demonstrates that the most efficient designs for the vast majority of American green roofs can be derived from five **basic green roof types**. Roofscapes, Inc. has developed a Roofmeadow® green roof assembly that satisfies each of these types.

- Type I: Roofmeadow® Flower Carpet and Roofrug™
- Type II: Roofmeadow® Aromatic Garden
- Type III: Roofmeadow® Savannah
- Type IV: Roofmeadow® Meadow
- Type V: Roofmeadow® Heath

The selected assembly depends in part on project conditions, including climate, desired plant community, specific performance requirements, and load bearing capacity of the roof deck. All assemblies will include the following elements: 1) protection of the waterproofing membrane from root and biological attach, 2) protection of the waterproofing membrane from physical abuse and accident, 3) a base drainage layer, 3) a separation layer to prevent fine-grained engineered soils from fouling or clogging the drainage layer system, and 4) an engineered soil to support the vegetation.

### Type II: The Roofmeadow® Aromatic Garden

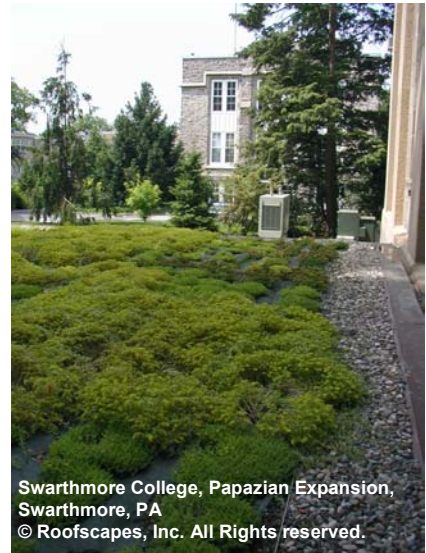
*Aromatic Gardens* are two-layer assemblies in which engineered soil (a lightweight growth medium) is placed over an efficient geocomposite drainage layer (Roofscapes, Inc. **Roofmeadow® Synthetic Sheet Drain**).

These systems promote free drainage of the growth media over large areas. A common variation utilizes a drainage layer that can also retain some water. To reduce plant stress during drought conditions, the drainage layer should not be thicker than one-inch (2.5 cm). Typical overall assembly thicknesses range from 3 to 6 inches (8 to 15 cm). Type II assemblies are probably the most commonly encountered extensive assemblies in the United States. Irrigation is not recommended in temperate climates; however surface drip or spray irrigation can be used if required.

The profile of a Roofmeadow® *Aromatic Garden* assembly is as follows: Wind Erosion Stabilization System ♦ Lightweight Growth/Drainage Medium ♦ Root-permeable Separation Fabric ♦ Roofmeadow® Sheet Drain ♦ Slope Stabilization Systems (for pitched roofs) ♦ Root Barrier Membrane (when required) ♦ Waterproofing.



Type II Aromatic Garden Roofmeadow Assembly Profile



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