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## GREEN ROOFS in Sloped Applications

*Green roofs are now feasible in sloped applications with Hydrotech's Garden Roof® Assembly, allowing design professionals to expand beyond traditional flat roof applications and put a green roof in places they never could before.*



In addition, a sloped Garden Roof Assembly can be designed for visibility and viewing from a wider range of locations, not just standing on the roof. Slopes ranging from 2:12 up to 12:12 are possible for extensive and limited intensive applications, provided the appropriate measures are taken to cope with the shear forces and soil retention. Contact Hydrotech for specific requirements.

### **Features of Garden Roof® Assembly for Sloped Applications:**

- Depth (3.5" - 13" of growing media)
- Visibility can be an architectural design feature
- Suitable for convex, concave and other complex slopes
- Accommodates up to 12:12 pitch (45°)
- Beyond 3:12 requires special engineering
- Vegetation options - plugs with GardMat® or InstaGreen® Sedum Carpet or InstaGreen® Sedum Tile or lawn sod
- Requires maintenance depending on vegetation selection



### **Typical Application:**

Architects and owners are no longer limited to designing for flat green roof applications. Hydrotech's Garden Roof® Assembly can now conform to irregular slopes and undulating roofs. For roof slopes greater than 3:12 and with soil depths of 3½ to 13 inches, a GardNet® soil confinement system must be utilized.