

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Garden Roof
	<b>COMPANY NAME</b>	Hydrotech
	<b>PRODUCT/COLLECTION NAME</b>	Garden Roof
	<b>DESCRIPTION</b>	<p>This product is available in four assemblies including the extensive garden roof, sloped roof, shallow-intensive (lawn) roof, and the intensive garden roof.</p> <p>The Extensive Garden Roof is ideally suited for locations that will receive little or no maintenance, or where structural capabilities are a concern. Recommended plants include sedum, herbs, grasses and other vegetation that can withstand harsh growing conditions. The soil mixture, composed primarily of mineral materials mixed with organic medium, can be very shallow (as little as three inches). The entire system is very light, weighing little more than a traditional ballast roof, allowing for safe installation on almost any existing roof.</p> <p>Sloped Applications can now be accommodated with Hydrotech's Garden Roof Assembly. Design professionals can now expand beyond traditional flat roof applications and put a green roof where it has not been feasible 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.</p> <p>The Shallow-Intensive (Lawn) Garden Roof is still considered a lightweight assembly, but with a slightly deeper soil depth, and designed to support sod lawns and perennials. Irrigation will depend on the plant choices and climate. Generally accessible by adjacent hardscape areas, such as a patio, design professionals now have the opportunity to create beautiful additional usable space on projects.</p> <p>The Intensive Garden Roof incorporates plants that require regular maintenance, such as watering, fertilizing and mowing. The variety of plants possible is numerous, including sod grass lawns, perennial and annual flowers, shrubs, and even small trees. When used in conjunction with Hydrotech's full line of hardscape elements, such as architecturally finished pavers and precast items, the system is ideal for roofs and plazas that will serve as pedestrian recreational areas.</p>
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	Concrete, surface conditioner, MM6125-EV, hydroflex RB, Styrofoam, hydrodrain AL, moisture mat SSM45, Aggregate, Floradrain 60, Systemfilter SF, Litetop soil, vegetation.
	<b>RECYCLED CONTENT %</b>	Monolithic Membrane (roofing membrane) is 25% post-consumer recycled content,
	<b>RAPIDLY RENEWABLE CONTENT %</b>	vegetation
	<b>HARMFUL ADDITIVES</b>	CFC free – dow Styrofoam
	<b>HARMFUL EMISSIONS</b>	No VOCs, No PVC
	<b>EMISSION STRENGTH OVER TIME</b>	N/A
	<b>TREATMENTS</b>	None
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	
	<b>HARMFUL EMISSIONS</b>	None
	<b>LOCATION OF MANUF. PLANT</b>	Chicago, IL
	<b>TESTS/CODES</b>	None
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	CGSB British Board of Agreement Canadian Construction Material Centre ULC Canada National Defence UL
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	Pour concrete surface, pour surface conditioner and MM6125-EV, hydroflex RB slabs, place Styrofoam on top of that, then the hydrodrain

		AL and moisture MAT SSM45, then pour aggregate on top of the floradrian 60, then pour systemfilter SF, litetop soil smooth to preference, and finally you are ready to plant your vegetation.
	<b>INSTALLATION ADHESIVES</b>	None
	<b>UNIT COST</b>	Varies, based on project size and type of installation
	<b>LIFE CYCLE ANALYSIS</b>	Life of the building
	<b>END OF SERVICE LIFE</b>	N/A
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Designed as a lightweight, low profile system, the Garden Roof Assembly can be safely installed on roof and plaza decks not engineered to handle the heavy load requirements of a traditional green roof. Weight of a Traditional green roof system is approx. 125-180 lbs Weight of a Hydrotech Garden roof Intensive is 50-78 lbs and Extensive is 18-30 lbs.
	<b>MISC. COMMENTS</b>	Some of the advantages to a garden roof: enhances the building's appearance, adds space for the tenant use and recreation, one answer to the "Urban Heat Island" problem, storm water management 50 to 90%, improves building's energy efficiency, processes airborne toxins and re-oxygenates the air, creates therapeutic and peaceful environments, total assembly warranted, from deck up.
	<b>CONTRIBUTION TO LEED POINTS</b>	SS Heat Island Effect Roof SS Storm Water Control
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	Construction is no longer just about building and development. It's about taking responsibility for the future. It's about limiting the impact of the building process on the very environment that nurtures us – building for the long-term and catering to global needs and issues.  Using revolutionary technology, Hydrotech has elevated sustainability (and green roofs) to a whole new level with the Garden Roof® Assembly. By bringing nature's gardens to our rooftops, we are helping to forge a direct, monolithic link between our natural and built environments. And because of Hydrotech's waterproofing and roofing expertise, the system is designed to protect your structure as effectively as it does our environment.
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<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	All depends on how intensive your plant choice is and how much maintenance they require, but typically watering, fertilizing and mowing.