



# BUILDING SUSTAINABILITY

**ENVIRONMENTAL ROOFING AND WATERPROOFING PRODUCTS**



# DEFINING SUSTAINABILITY

Construction is no longer just about building and development. It's about limiting the impact of the construction process on the very environment that nurtures us – building for the long-term and catering to global needs and issues.

With these ideals in mind, Hydrotech has developed products, systems and alliances that reinforce our commitment to environmental sustainability. Using recycled/reusable materials and introducing innovative systems that address critical environmental issues, Hydrotech is helping to sustain the environment, one project at a time.

## ENERGY STAR®, USGBC AND LEED®



To reinforce this commitment, Hydrotech partnered with ENERGY STAR® and joined The United States Green Building Council (USGBC), a national, consensus-driven organization best known for its Leadership in Energy and Environmental Design® (LEED®) rating system.

Since its introduction in 2000, LEED® has been used by developers and local/regional governments to determine the sustainability rating of individual projects. That rating process is broken down into six categories:

- Sustainable Sites
- Water Efficiency
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Innovation Credits and Design/Build Process.

A LEED® building must qualify for a certain number of points in each category. The cumulative LEED® score that results then translates into one of four certification levels:

- LEED® Certified (26-32 points)
- Gold Level (39-51 points)
- Silver Level (33-38 points)
- Platinum Level (52-69 points).

## HYDROTECH AND LEED®

Hydrotech products are being applied on a growing number of LEED® projects around the country. The following chart lists the LEED® points that may apply to our waterproofing and roofing assemblies:

	Storm Water Management	Urban Heat Islands	Recycled Content	Energy Efficiency	Reduced Site Disturbance	Water Efficient Landscaping†	Local/Regional Materials	Innovation & Design Process	TOTAL POINTS POSSIBLE
<b>Garden Roof® Assembly*</b>	1-2	1-2	1-2	1-2+	1-2	1-2	1-2	Determined By Project	<b>14+</b>
<b>The Ultimate Assembly***</b>		1-2	1-2	1-2			1-2	Determined By Project	<b>8</b>
<b>Protected Membrane Roof**</b>		1-2	1-2	1-2			1	Determined By Project	<b>7</b>

\* Garden Roof Assembly with MM6125®-EV waterproofing

\*\* Protected Membrane Roof with MM6125®-EV waterproofing and HydroGuard®-RE

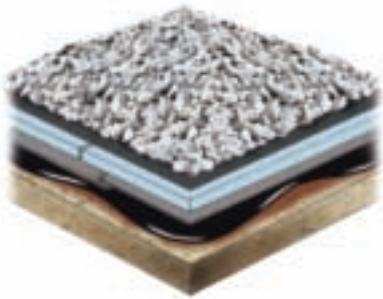
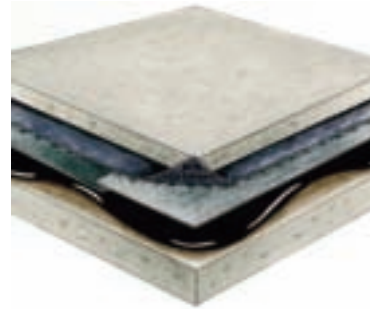
\*\*\* Ultimate Assembly® architectural paver system using MM6125®-EV waterproofing and Hanover® Glacier White Pavers

† Credits may apply to systems that support the Garden Roof Assembly but are neither included in the Garden Roof Assembly, nor sold by American Hydrotech, Inc.

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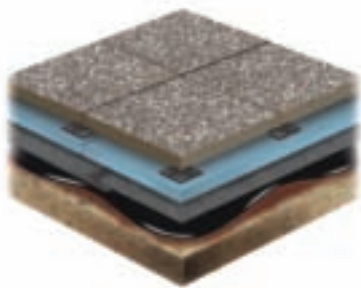
Hydrotech's core belief in consistent, high-performance waterproofing produced one of the industry's best-performing membranes. Since then, we have also introduced some of the industry's first sustainable waterproofing systems for plazas and roofs alike:

**MM6125®-EV** is a hot-applied rubberized asphalt with exceptional physical properties, outstanding performance and as much as 25% recycled content. The product's seamless protection and superior adhesion translate into long-term protection—a benefit to your project and our environment.



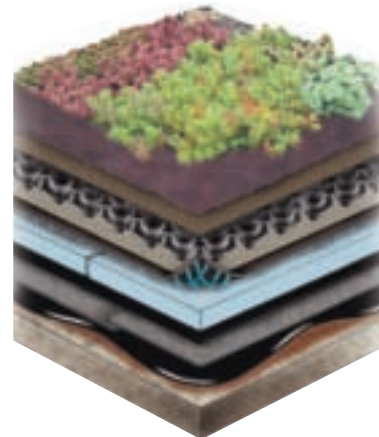
**The Protected Membrane Roof (PMR)**, Hydrotech's first roofing system, starts with MM6125-EV and includes Dow STYROFOAM®, a virtually CFC-free, reusable insulation board that adds thermal value as it reduces landfill costs, shields your building from thermal fluctuation and supports the environment.

The finished surface of the PMR is **Hydroguard®-RE**, an ENERGY STAR® certified insulation panel, which combines the same CFC-free, reusable STYROFOAM® with a cementitious layer that has an initial reflectance of 0.8 – higher than both the LEED® and ENERGY STAR® guidelines.



**The Ultimate Assembly®** waterproofing and architectural paver system combines the sustainable properties of the PMR with attractive aesthetics. Beginning at the deck level with MM6125-EV, the Ultimate Assembly now includes Hanover® Glacier White Pavers, which offer as much visual appeal and structural integrity as they do light reflectance. With a minimum initial value of 0.65, the criterion for both LEED® and ENERGY STAR®, The Ultimate Assembly with Glacier White pavers is the optimal solution for your sustainable hardscape designs.

**The Garden Roof® Assembly** transforms any softscape design into a nurturing, productive environment. As the system silently manages storm water – retaining as much as 90% of the water that falls on it – and mitigates the Urban Heat Island Effect, it provides a soothing, relaxing arena for visitors and viewers alike. And because it uses materials with recycled content, the Garden Roof earns your project that much more credit toward a USGBC LEED® rating.



The Church of Jesus Christ of Latter-day Saints built an assembly hall that would accommodate its sizable membership and respect the local environment. What resulted was one of the largest auditoriums in the world, a 21,000+ seat hall in Salt Lake City, UT protected with Hydrotech sustainable roof systems.



### Latter-day Saints Conference Center Salt Lake City, UT

- 100,000 S.F. of MM6125® on below-grade vertical walls
- 100,000 S.F. of Hydrotech PMR
- 70,000 S.F. of Garden Roof® Assembly
- 170,000 S.F. of MM6125 on roof deck

When the Mashantucket Pequot Museum and Research Center was being designed, the owner and architect were very interested in protecting the wetlands adjacent to the site from roof run-off. Thanks to the Garden Roof Assembly, which can retain up to 90% of the water that falls on it, the wetlands are being well preserved.



### Mashantucket Pequot Museum & Research Center Mashantucket, CT

- 53,000 S.F. of Hydrotech PMR
- 75,000 S.F. of Garden Roof Assembly
- 128,000 S.F. (combined total) of MM6125-EV Waterproofing

### Cover Photo: Church Street Station

Installed on the 5th floor roof, atop the residents' parking structure, this 8,500 s.f. Garden Roof not only adds natural beauty, it has proven a major selling advantage – a private oasis in the middle of a downtown setting and mere moments away from occupants' doorsteps.



**American Hydrotech, Inc.**  
303 East Ohio Street, Chicago, IL 60611  
800.877.6125; 312.337.4998  
312.661.0731 (Fax)  
info@hydrotechusa.com

[www.hydrotechusa.com](http://www.hydrotechusa.com)

Please visit our Web site or call for information on Hydrotech's full line of high-performance construction products.

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