

Architectural Pavers

The Ultimate Assembly[®]



Garden Roof

The Garden Roof[®] Assembly



Roofing

Monolithic Membrane 6125[®]



Waterproofing

Monolithic Membrane 6125[®]

45+ years of proven performance in the field.

ROOFING AND WATERPROOFING MM6125®

Monolithic Membrane 6125® is a tough, flexible, self-healing waterproofing and roofing membrane designed for **new** and **retrofit** construction. It can be applied both horizontally and vertically.

The Original Rubberized Asphalt

Since 1963, almost two billion square feet of MM6125® has been installed worldwide.

Benefits

Completely Monolithic No seams. Readily conforms to surface irregularities and changes in deck contour.

Fluid Applied Flows smoothly. Easy to install around protrusions and at flashings. Sets up immediately. No on-site mixing. No adhesives required. No VOC emissions.

Membrane Thickness 215 mils thick (fabric reinforced), MM6125® is two to three times thicker than other types of membranes for added protection.

Cold Weather Installation Can be applied at 0°F (-18°C). Unaffected by rain, snow or frost immediately after application.

Environmental Grade MM6125®-EV is a hot-applied rubberized asphalt that can be formulated with up to 25% post-consumer, recycled content.

Dead-Level Applications Can withstand and perform in submersed water conditions and is fully warrantable. The perfect membrane for water features, pools and green roofs.

Excellent Adhesion Tenaciously adheres to substrate; prevents water migration between membrane and deck.

Cohesive Strength Superb elongation and low temperature flexibility. Demonstrated self-healing capability.

Acid Resistant Highly resistant to fertilizers, building washes, acid rain, methane and waste materials.

Approved Applicators They perform all installations, thus assuring quality and craftsmanship.

Composition and Materials

MM6125® is a hot, fluid-applied, rubberized asphalt formulated from refined asphalts, special oils, synthetic rubber and inert clay fillers. The unique manufacturing process ensures a consistently high-quality material.

Applications

MM6125® is easily installed on concrete in both horizontal and vertical applications. Typical applications include roof decks (concrete and metal), parking decks (split slab and asphalt), plazas, foundation walls, reflecting pools, mechanical room subfloors, mud-slabs, tunnels and planters.



MM6125® can also be applied over wood planks, plywood and metal decks topped with gypsum board.

Installation

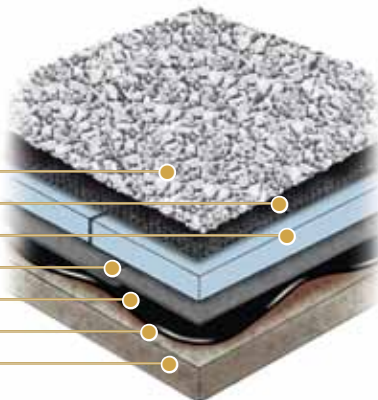
The material is applied in a fabric reinforced assembly. Two coats of MM6125® are applied to a thickness of 215 mils, with a layer of Flex Flash F embedded into the membrane between applications.

Warranties

Hydrotech offers some of the industry's most comprehensive warranties—up to 25 years depending on selected system and application.

Protected Membrane Roof (PMR)

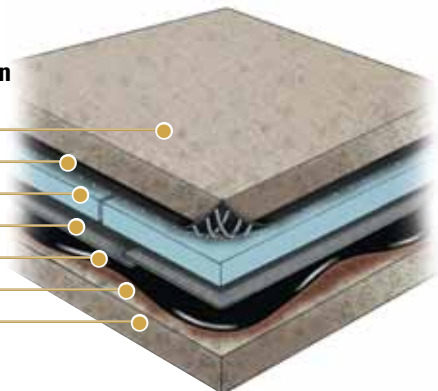
Stone Ballast
Stone Filter Fabric
STYROFOAM®
Hydroflex® Protection Sheet
Monolithic Membrane 6125®-FR
Surface Conditioner
Approved Substrate



(typical components depicted)

Split Slab Construction

Concrete Topping Slab
Hydrodrain®
STYROFOAM®
Hydroflex®
Monolithic Membrane 6125®-FR
Surface Conditioner
Approved Substrate

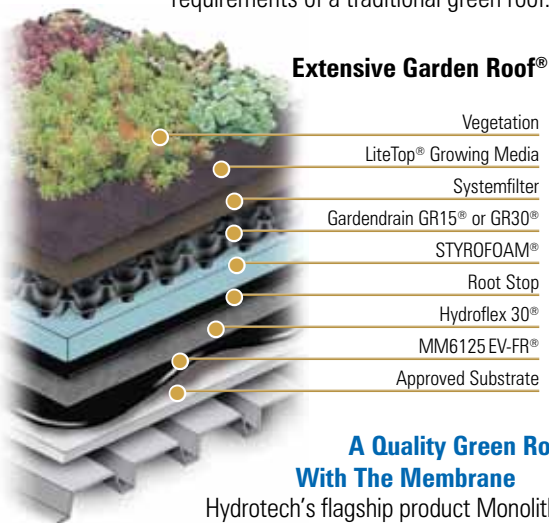


(typical components depicted)

12 years, 1,200 projects, 5,500,000 sq. ft.

GARDEN ROOF® ASSEMBLY

Since installing our first Garden Roof® assembly in 1997, we've developed more than 1,200 projects representing over 5,500,000 square feet. The Garden Roof® allows the design professional to transform roofs and plazas into landscaped environments. Designed as a lightweight, low-profile system, the Garden Roof® can be safely installed on structures not engineered to accept the load requirements of a traditional green roof.



Extensive Garden Roof®

A Quality Green Roof Starts With The Membrane

Hydrotech's flagship product Monolithic Membrane 6125 (MM6125®), a fluid applied rubberized asphalt, has been keeping buildings watertight for over 45 years. Monolithic Membrane 6125-EV® (environmental grade), which can be formulated with up to 25% post-consumer recycled content, is the membrane of choice for Hydrotech's Garden Roof® applications. MM6125®-EV has been used in fountains, pools, reflecting ponds, planters and other applications where contact with water is to be expected.

In addition to MM6125®-EV's ability to perform in a wet, submersed condition, MM6125®-EV has many other unique features that make it the best choice for green roof applications...

- There are no seams to fail; the membrane is completely monolithic
- Bonded directly to the substrate – restricts lateral water movement if damaged
- Can be installed on substrates with little or no slope
- Easy to detail all critical penetrations and terminations
- Resistant to fertilizers and other mild acids
- No VOC restrictions; contains no PVCs
- Installed ONLY by authorized, trained applicators

Advantages

Besides being aesthetically pleasing, a green roof can provide numerous ecological, technical and owner benefits.

Owner Incentives

- Increased life expectancy of the roof
- Additional usable space
- Create a therapeutic environment
- Financial incentives (government)
- Contribute toward LEED® points
- Image / prestige

Technical Benefits

- Storm water retention
- Additional thermal resistance
- Reduced noise levels

Ecological

- Mitigates the urban heat island effect
- Natural habitat for plants and animals
- Reduction of dust and smog levels
- Oxygen producing / carbon dioxide sink



Resources

Hydrotech's experienced sales representatives and staff work closely with your design team and can offer assistance in the early design stage, through specification and detail development. Each project is unique, therefore each Garden Roof® Assembly is designed to meet specific objectives. Hydrotech has a variety of tools and resources that are available which may assist you in meeting your project goals.

Visit our website www.hydrotech.usa.com to access our specifications, details, Garden Roof® Planning Guide and more. In addition, stormwater management information can be provided based on actual project conditions.

SUSTAINABILITY and LEED®

MM6125® performance equals sustainability

Hydrotech has developed products, systems and alliances that reflect and reinforce our commitment to environmental sustainability. Our assemblies feature recycled content in the membrane and reduced lifecycle costs due to product longevity (which also reduces its impact on landfills).

LEED® RATING SYSTEM CREDIT - NC VERSION 2.2

LEED® RATING SYSTEM CREDIT - NC VERSION 2.2	AVAILABLE POINTS
Stormwater Management	1-2 points
Landscape and Exterior Design to Reduce Heat Islands	1-2 points
Recycled Content	1-2 points
Reduced Site Disturbance	1-2 points
Local/Regional Materials	1-2 points
Optimized Energy Performance	1-2 points
Water Efficient Landscaping	1-2 points
TOTAL POINTS POSSIBLE (project specific)	Potential of 14 points

THE ULTIMATE ASSEMBLY®

The Ultimate Assembly®, Hydrotech's open joint architectural paver assembly, is the perfect single-source solution when optimal performance must be matched with superior aesthetics. Ideal for roof terraces, green roofs and plazas, The Ultimate Assembly® begins at the substrate with Hydrotech's premier waterproofing membrane, Monolithic Membrane 6125®, and carries through to the overburden of the architectural pavers. The assembly can accommodate insulation, extra drainage layers and a variety of job site conditions. And due to a special production process, Hydrotech's architectural pavers offer high compressive strength, low moisture absorption, and a wide variety of colors and textures.

Benefits

Single Source Warranty The Ultimate Assembly® warranty provides the owner with the enduring coverage provided by the assembly itself – all from the company that has set the standard of excellence in roofing and waterproofing for decades. That warranty includes:

- Watertightness of membrane
- Thermal retention of the insulation
- Performance of the pavers
- Removal and replacement of overburden if a warranted repair to the membrane is needed

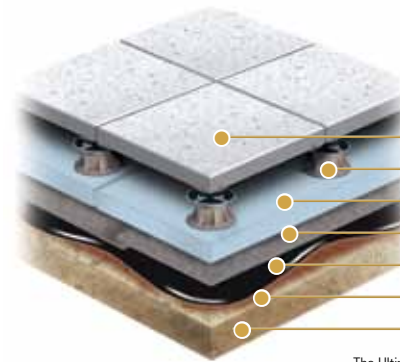
Open Joint System Facilitate the flow of water below the paver surface to concealed drains, expediting the drying of the pavers while also decreasing ponding water and trapped moisture.

Access to Substructure Drains and all assembly components are accessible. If the need should arise, pavers can simply be lifted and reset in place – no sand or mortar setting bed to struggle with so maintenance and future alterations are easily accomplished.

Paver Composition and Materials Architectural pavers are precast concrete formed under intense vibration and hydraulic pressure. They exhibit high compressive strength, low moisture absorption and are available in a wide variety of colors and surface materials, including natural river gravel, crushed granite, marble and colored concrete. Custom surfaces and sizes are available.

Applications The Ultimate Assembly® is ideal for plazas, rooftops, terraces, or anywhere a durable, attractive surface is desired. Not intended for vehicular traffic.

Installation Pavers are set directly on spacer tabs or adjustable pedestals to an established grade and even leveled where a sloped deck exists – a simple, durable solution.



The Ultimate Assembly®

Architectural Paver

Pedestal

STYROFOAM® (minimum of 60 psi)

Hydroflex®

Monolithic Membrane 6125®-FR

Surface Conditioner

Approved Substrate

(typical components depicted)

The Ultimate Assembly is not intended for vehicular traffic

ADDITIONAL PRODUCTS

HYDRODRAIN®

Hydrodrain® drainage mats provide a channel for the unrestricted flow of water away from concrete, insulation and structural surfaces in both horizontal and vertical applications.

HYDROGUARD®

STYROFOAM® panels topped with a durable concrete surface. Combines insulation and ballast in one easy to install unit.

LM6090®

Cold applied, two-part elastomeric asphalt membrane for preinstallation flashing or small areas.

VM75® Sheet Waterproofing Membrane

A 75 mil (2 mm) thick, self-adhering waterproofing membrane for vertical, below-grade applications.

MM7800®

Single component, cold applied rubberized asphalt membrane for foundation walls



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Please visit our website or call for additional product information, specs and details

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Sweets.com

STYROFOAM is a registered trademark of The Dow Chemical Company.
The management system governing the manufacture of MM6125 is ISO 9001:2000 certified

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