



A SIKA COMPANY

# REHAB/RENOVATION



RENOVATING ROOFING AND PLAZA DECKS



MONOLITHIC  
MEMBRANE 6125  
60 YEARS PROVEN  
PERFORMANCE

## THE HYDROTECH ADVANTAGE

Monolithic Membrane 6125®, the original hot rubberized asphalt membrane, has been entrusted with keeping high profile structures across the country and around the globe watertight for 60 years.

Monolithic Membrane 6125® is a seamless, fully adhered, fabric reinforced, monolithic hot rubberized asphalt waterproofing membrane installed at 215 mils thick. While an excellent choice for new construction, Monolithic Membrane 6125® has unique properties which make it ideal for renovation applications.

MM6125® performs so well that it is rated by the British Board of Agrément (BBA) as **“an effective barrier to the transmission of water . . . for the design life of the roof structure.”**

- Agrément No. 90/2431 & 90/2432

If you own a building that has a roof and/or plaza deck in need of major repair, you are not alone. Deteriorating topping materials, serious leaks and loss of insulating value are some of the problems facing many owners.

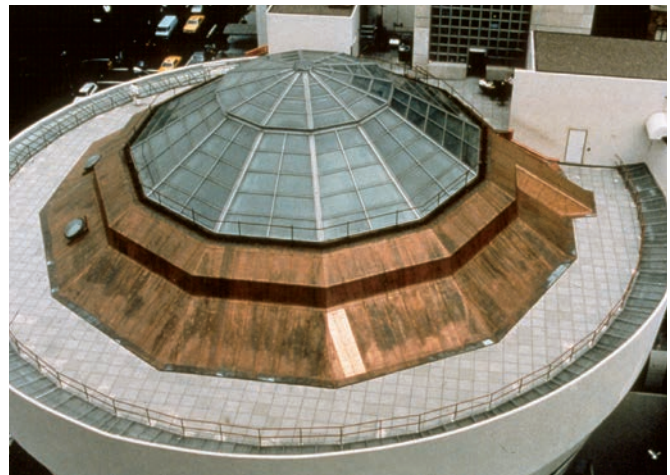


**MONOLITHIC  
MEMBRANE 6125**  
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These problems may be symptomatic of improper design, construction errors, inadequate material specifications or use of inferior products or waterproofing membranes that have exceeded their “performance life.”

Renovation projects are uniquely complex to execute and require specialized know how and understanding to ensure their success. Hydrotech’s Sales and Technical Service staff work closely with your team, and can offer assistance in the early design stage, specification and detail development, through execution.

Each project is unique and is designed to meet your specific objectives and project conditions. Hydrotech has a complete selection of warranty coverage to suit the owner’s and the project’s needs.



*Guggenheim Museum - New York, NY - (built in 1990, renovated 2015)*

## MONOLITHIC MEMBRANE 6125® IS THE IDEAL CHOICE FOR RENOVATION

### Flexible & thick enough to waterproof existing conditions:

- Rough concrete
- Spalled concrete
- Original membrane residue
- Difficult detailing requirements

### Dead level substrate

- MM6125 can perform and withstand constant submersion in water.
- MM6125 has no minimum slope requirements

### Put a stop to leaks

- MM6125 is fully bonded, preventing/resisting lateral migration of water under the membrane.
- MM6125 is monolithic and seamless.

### Ease of application

- MM6125 installs easily and efficiently.
- MM6125 is ideal for “phased” construction, as previously installed membrane joins together with new.
- MM6125 has few weather restrictions, installs down to 0°F.
- MM6125 has no cure time. It is 100% solids and remains flexible throughout the life of the project.

# TYPICAL RENOVATION APPLICATIONS

## Fabric Reinforced (FR) Assembly (215 mils thick – 5.5 mm)

*(typical components depicted)*

Hydroflex® Protection Sheet or Permaboard

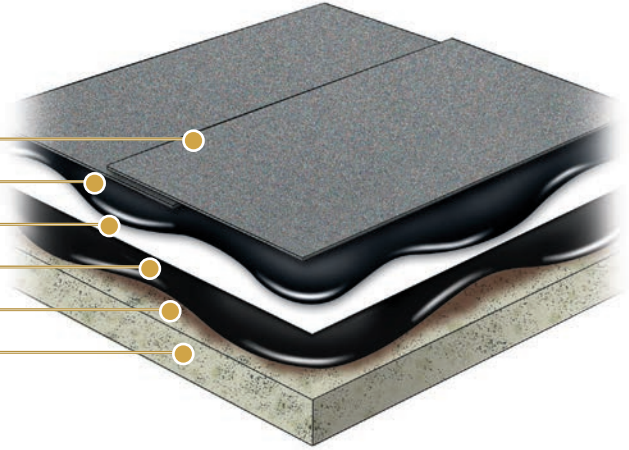
Monolithic Membrane 6125® (125 mils)

Flex-Flash F Reinforcement

Monolithic Membrane 6125® (90 mils)

Surface Conditioner (where required)

Approved Substrate



*The First Church of Christ, Scientist, Boston - MA, renovation of plaza (built in 1970)*



*Texas State Capitol - Austin, TX - renovation of plaza and underground offices (built in 1888, renovated 1993)*

## Vertical Waterproofing

*(typical components depicted)*

STYROFOAM®

Monolithic Membrane 6125®-FR

Hydroflex® or Permaboard

Flex Flash F

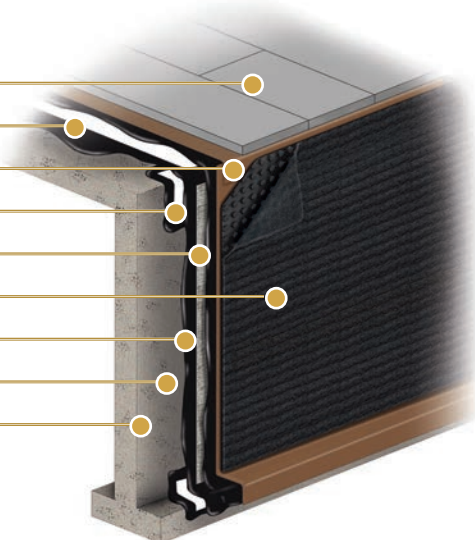
Flex Flash FV

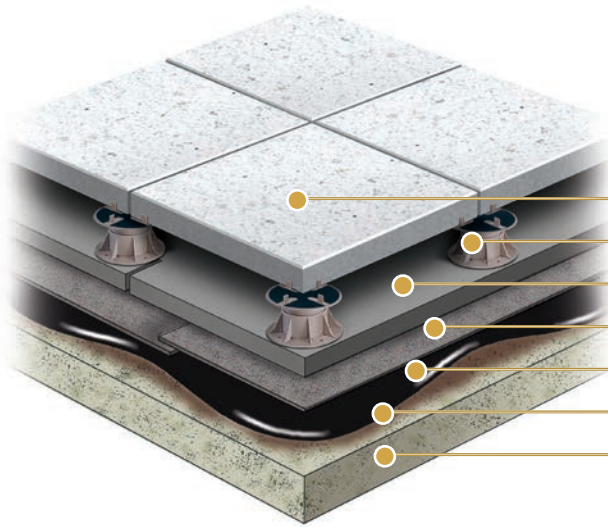
Hydrodrain (dimple board)

Monolithic Membrane 6125®-FR

Surface Conditioner

Approved Substrate





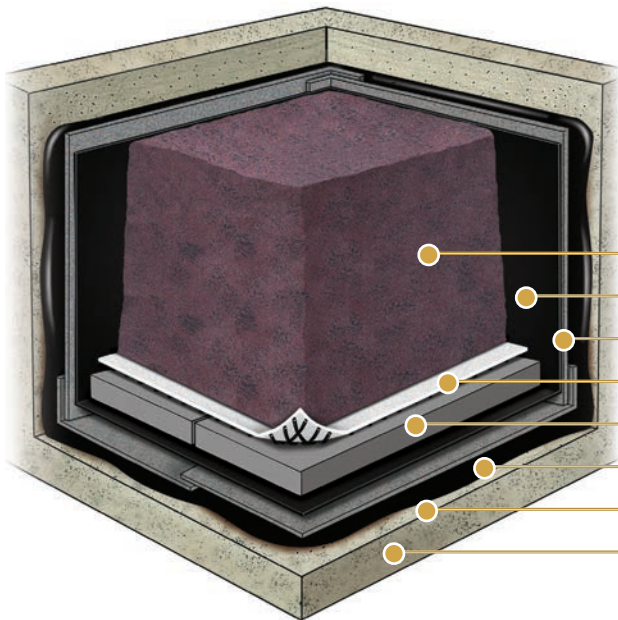
**The Ultimate Assembly®**  
*(typical components depicted)*

- Architectural Paver
- Pedestal
- STYROFOAM™ (minimum of 60 psi)
- Hydroflex®
- Monolithic Membrane 6125®-FR
- Surface Conditioner
- Approved Substrate

The Ultimate Assembly is not intended for vehicular traffic



*Point of the Americas II - Ft. Lauderdale, FL - renovation of amenity deck, (built in 1970, renovated 2003)*



**Planter**  
*(typical components depicted)*

- Soil
- Root Barrier
- Hydroflex®
- Hydrodrain®
- STYROFOAM™
- Monolithic Membrane 6125®-FR
- Surface Conditioner
- Approved Substrate

## Protected Membrane Roof (PMR)

*(typical components depicted)*

Stone Ballast

Stone Filter Fabric

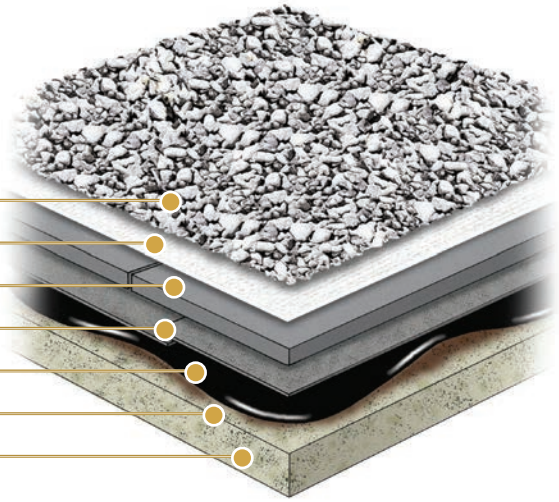
STYROFOAM™

Hydroflex® Protection Sheet

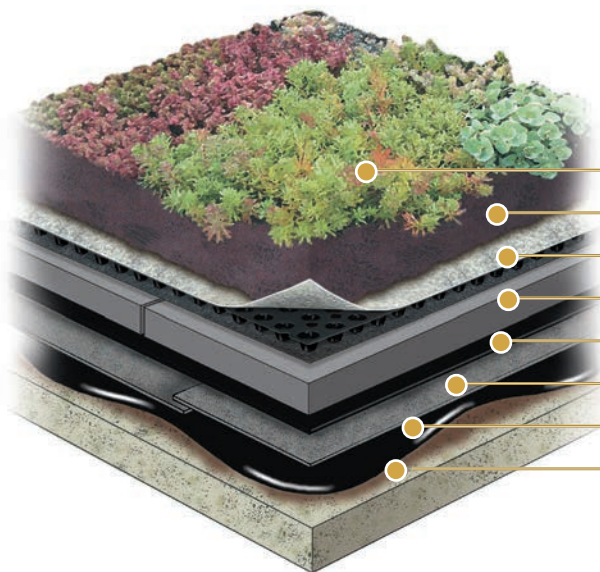
Monolithic Membrane 6125®-FR

Surface Conditioner

Approved Substrate



1225 Connecticut Ave - Washington, DC - renovation of roof deck, (built in 1960, renovated 2008)



## Garden Roof® Assembly

*(typical extensive assembly depicted)*

Vegetation

LiteTop® Growing Media

Gardendrain GR10® or GR25®

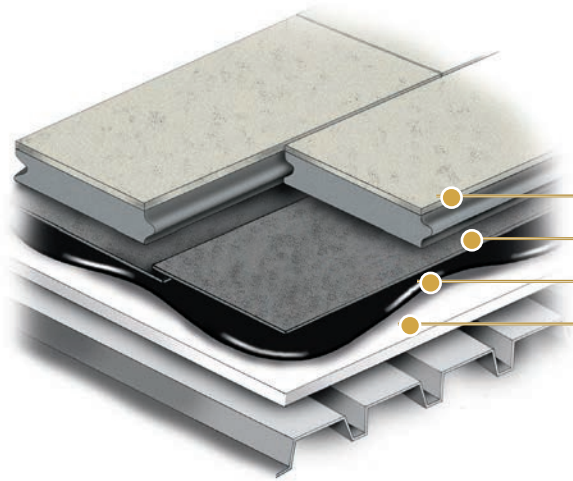
STYROFOAM™

Root Stop

Hydroflex 30®

Monolithic Membrane 6125®-FR

Surface Conditioner Over Approved Substrate



**Hydroguard®**  
*(typical components depicted)*

Hydroguard®

Hydroflex®

Monolithic Membrane 6125®-FR

Approved Substrate



*Bellevue City Hall - Bellevue, WA - renovation of roof deck, (built in 2005, renovated 2015)*

### Pool Deck Applications

Whether your project is new construction or a plaza deck renovation, Monolithic Membrane 6125 is the preferred solution. The membrane is adhered directly to the structural deck and can be applied dead-level. This offers unparalleled design flexibility with the overburden and simplicity in detailing.

MM6125 can transition from the horizontal deck directly into the pool shell, encapsulating everything in a monolithic waterproofing envelope with no seams.

For projects or conditions where hot rubberized asphalt is not suitable, Hydrotech offers a variety of alternative products and solutions.



### Hot Applied Membrane

- Monolithic Membrane 6125 (Hot Rubberized Asphalt)

### Cold Applied Membranes

- HydroSeal (Two-component, polymethyl-methacrylate resin, PMMA)
- HydroSeal 1K (Polyurethane based resin)
- Liquid Membrane 7000 (Two-component, polyurethane modified bitumen)



*The W Hotel - Scottsdale, AZ*

## ALTERNATIVE RENOVATION APPLICATIONS

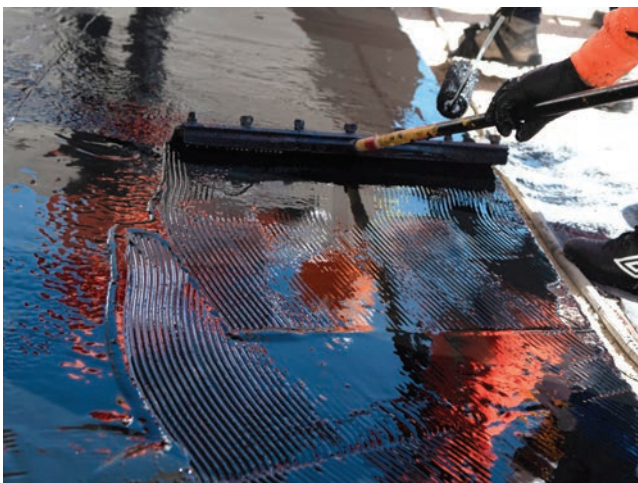
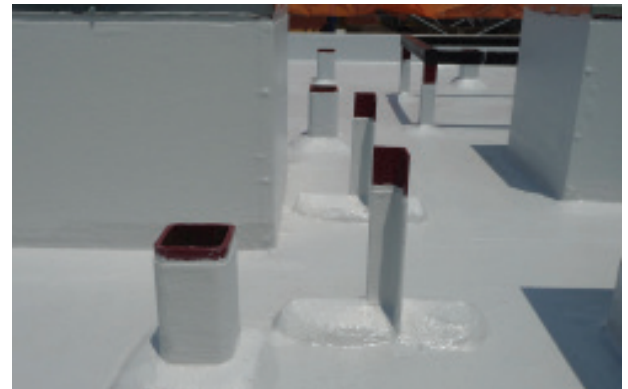
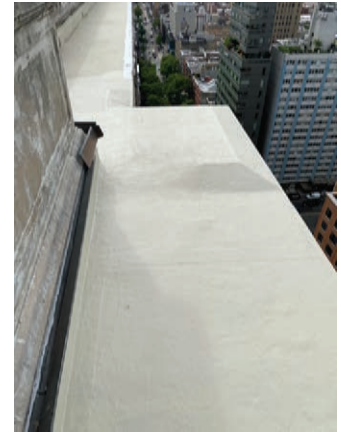
Although Hydrotech's Monolithic Membrane 6125® can be utilized in both new and renovation applications, we recognize that hot rubberized asphalt may not be suitable for all projects and conditions. In such cases, Hydrotech has a variety of alternative products and solutions available.

**HydroSeal Deck Membrane** - Is a high performance two-component component, fast-curing, polymethyl-methacrylate (PMMA) resin. HydroSeal Deck Membrane is combined with HydroSeal Catalyst and HydroSeal Fleece reinforcement to form a monolithic, reinforced waterproofing membrane for balconies or terraces, either exposed with appropriate HydroSeal Finish or concealed with hard set tiles or pavers. Flashing of all terminations and penetrations is accomplished with HydroSeal Flashing Membrane.

**HydroSeal 1K Membrane** - Is a single component, low VOC, moisture-triggered, aliphatic polyurethane resin. It is a fully adhered, cold applied, highly elastic, and alkali resistant membrane designed for easy application in combination with HydroSeal 1K Epoxy Primer and a reinforcing layer of either HydroSeal 1K Fleece or HydroSeal 1K Fiber Reinforcement.

The HydroSeal 1K Membrane assembly is intended for exposed flashing details with Hydrotech's Monolithic Membrane 6125 applications. It is particularly suitable for projects where the aesthetics of exposed base flashings might be a concern and/or where there are flashing conditions with tight clearances or irregular surfaces. HydroSeal 1K Membrane is available in standard grey and white colors.

**Liquid Membrane 7000** - Is a two-component, liquid-applied, asphalt-extended, aromatic polyurethane, waterproofing membrane that adheres to most substrates. Available in both horizontal and vertical grades. It is ANSI/NSF-61 approved for potable water.





Olympic Stadium Plaza - Montreal, QUE (built in 1970, renovated 2014)

In 1980, American Hydrotech, Inc. purchased the Construction Products Division of Uniroyal Ltd. in Canada, giving the company exclusive worldwide ownership for the manufacture and distribution of Monolithic Membrane 6125®.

One early strength of American Hydrotech, Inc., that continues today, is its established relationships with the architectural community. The highly respected architectural firm Skidmore, Owings and Merrill first used MM6125® in the late 1960's for the Finance and Management Center at the Illinois Institute of Technology in Chicago.

We have best-in-class brands that provide exceptional performance and owner value: Monolithic Membrane 6125®, our premium (flagship) waterproofing product has been successfully installed on the world's most prestigious structures in over 62 countries for 60 years.



Wisconsin State Capital - Madison, WI (built in 1917, renovated 2001)

In 2021, Sika Corporation acquired American Hydrotech for its position as the market leader in the development and production of premium waterproofing and roofing products and assemblies. With more than 100 years of experience, Sika is a worldwide innovation and sustainability leader in the development and production of systems and products for commercial and residential construction, as well as the marine, automotive, and renewable energy manufacturing industries. Sika has offices in over 103 countries with over 400 manufacturing facilities and more than 33,000 employees worldwide. With annual sales of 12 billion dollars in 2023, our commitment to quality, innovation, and the environment as well as putting our customer's needs first, encompasses why Sika is the global leader in our industries. Sika, beyond the expected.



A SIKA COMPANY

### American Hydrotech Inc.

401 N. Michigan Ave., Chicago, Illinois 60611

800.877.6125 312.337.4998

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

Cover Photo – 1800 K Street NW, Washington – DC (built in 1976, renovated 2016)

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Styrofoam is a registered trademark of DuPont

The management system governing the manufacture of MM6125 is ISO 9001:2015 certified