



# REHAB & RENOVATION

## RENOVATING ROOFING AND PLAZA DECKS



**BUILDING TRUST**



## THE SIKA - HYDROTECH ADVANTAGE

Hydrotech® Monolithic Membrane 6125® (MM6125®), 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.

Hydrotech® 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, Hydrotech® 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.

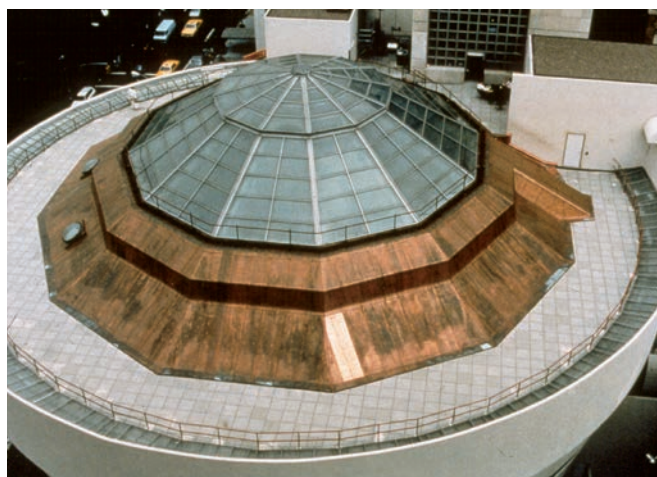


**MONOLITHIC  
MEMBRANE 6125**  
**60 YEARS PROVEN  
PERFORMANCE**

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. Sika - Hydrotechs 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. Sika - 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 1959, renovated 1990)

## HYDROTECH® MONOLITHIC MEMBRANE 6125® IDEAL 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)*

Hydrotech® Hydroflex® Protection Sheet or Permaboard

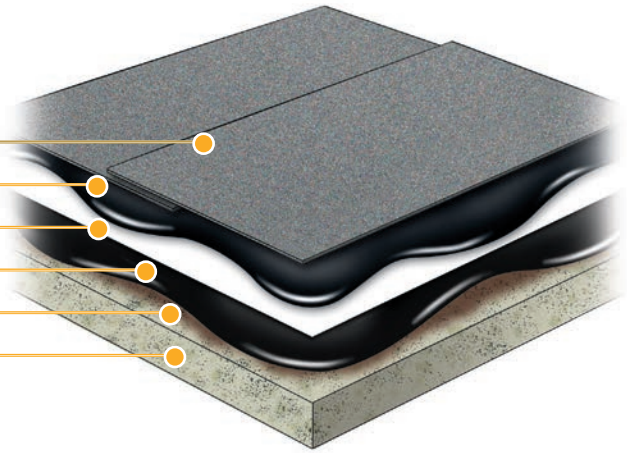
Hydrotech® Monolithic Membrane 6125® (125 mils)

Hydrotech® Flex-Flash F Reinforcement

Hydrotech® 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, renovated in 2019)



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

### Vertical Waterproofing

*(typical components depicted)*

Styrofoam™

Hydrotech® Monolithic Membrane 6125®

Hydrotech® Hydroflex® or Permaboard

Hydrotech® Flex-Flash F

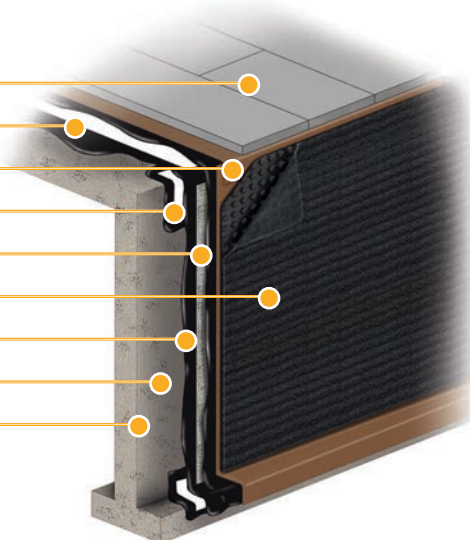
Hydrotech® Flex-Flash FV

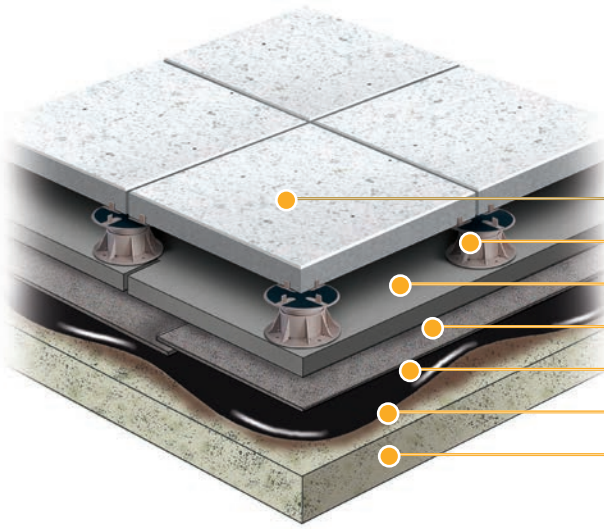
Hydrotech® Hydrodrain® (dimple board)

Hydrotech® Monolithic Membrane 6125®

Surface Conditioner

Approved Substrate





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

Architectural Paver

Pedestal

Styrofoam™ (minimum of 60 psi)

Hydrotech® Hydroflex®

Hydrotech® Monolithic Membrane 6125®

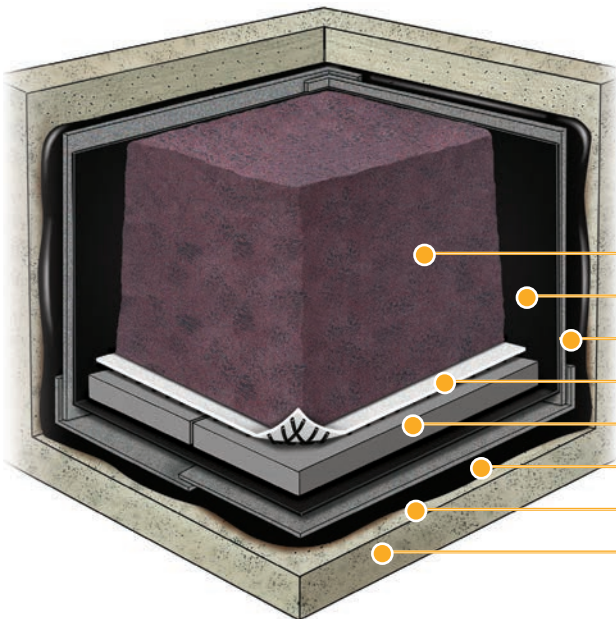
Surface Conditioner

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 or Hydrotech® LiteTop® Growing Media

Hydrotech® Root Barrier

Hydrotech® Hydroflex®

Hydrotech® Hydrodrain®

Styrofoam™

Hydrotech® Monolithic Membrane 6125®

Surface Conditioner

Approved Substrate

Current details and specifications for all Sika - Hydrotech's assemblies are available online at [www.hydrotechusa.com](http://www.hydrotechusa.com)



## Protected Membrane Roof (PMR)

*(typical components depicted)*

Stone Ballast

Hydrotech® Stone Filter Fabric

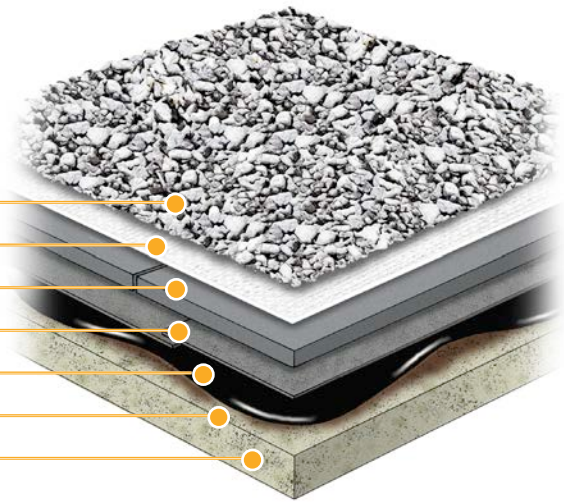
Styrofoam™

Hydrotech® Hydroflex® Protection Sheet

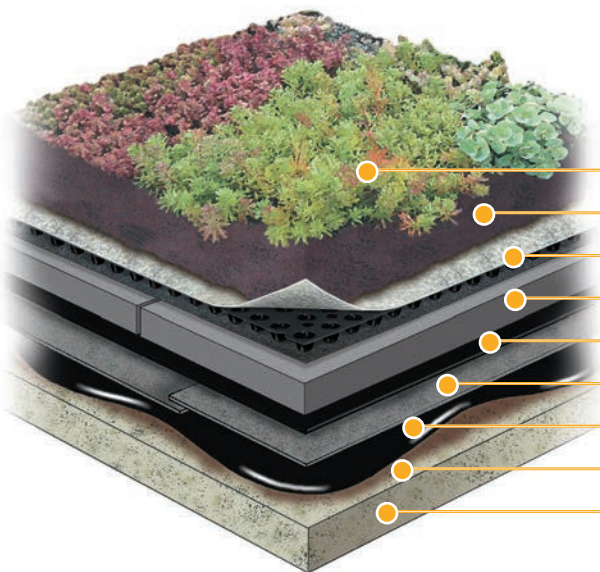
Hydrotech® Monolithic Membrane 6125®

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

Hydrotech® LiteTop® Growing Media

Hydrotech® Gardendrain GR10® or GR25®

Styrofoam™

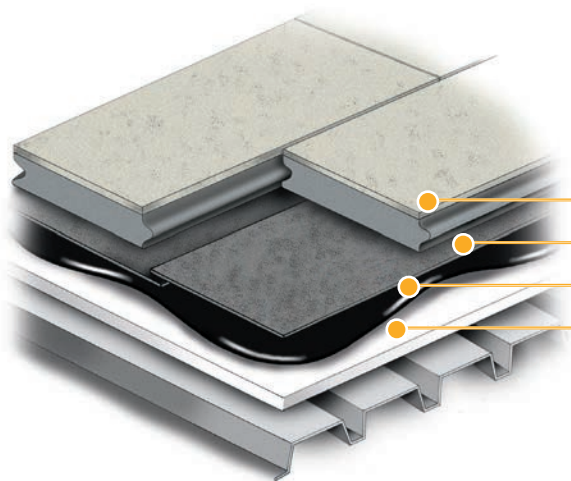
Hydrotech® Root Stop

Hydrotech® Hydroflex 30®

Hydrotech® Monolithic Membrane 6125®

Surface Conditioner

Approved Substrate



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

Hydrotech® Hydroguard®

Hydrotech® Hydroflex®

Hydrotech® Monolithic Membrane 6125®

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, Hydrotech® Monolithic Membrane 6125® (MM6125®) 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, Sika - Hydrotech offers a variety of alternative products and solutions.



## Hot Applied Membrane

- Hydrotech® Monolithic Membrane 6125 (Hot Rubberized Asphalt)

## Cold Applied Membranes

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



The W Hotel - Scottsdale, AZ



## ADDITIONAL RENOVATION APPLICATIONS

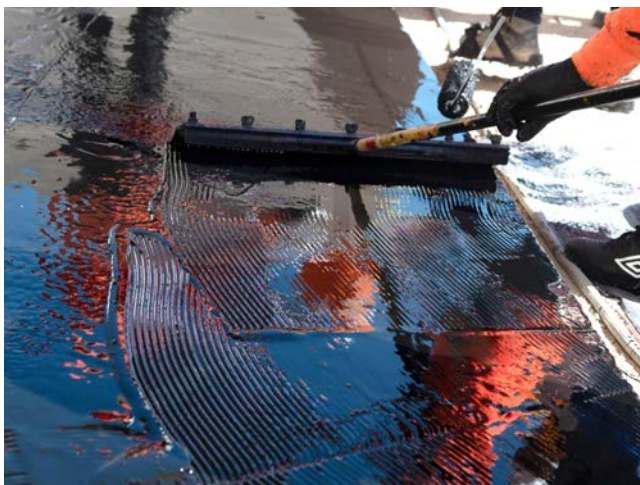
Although Hydrotech® Monolithic Membrane 6125® can be utilized in both new and renovation applications, we recognize that hot rubberized asphalt may not be suitable for all projects and conditions. In such cases, Sika - Hydrotech has a variety of alternative products and solutions available.

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

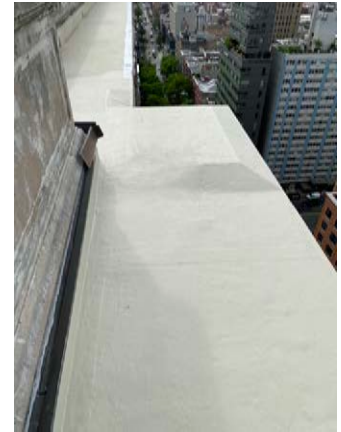
**Hydrotech® HydroSeal 1K Membrane** - Is a single component, low VOC, moisture-triggered, aliphatic polyurethane resin. It is a fully adhered, cold applied, highly elastic, and alkali resistant membrane designed for easy application in combination with Hydrotech® HydroSeal 1K Epoxy Primer and a reinforcing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

The Hydrotech® HydroSeal 1K Membrane assembly is intended for exposed flashing details with Hydrotech® 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. Hydrotech® HydroSeal 1K Membrane is available in standard grey and white colors.

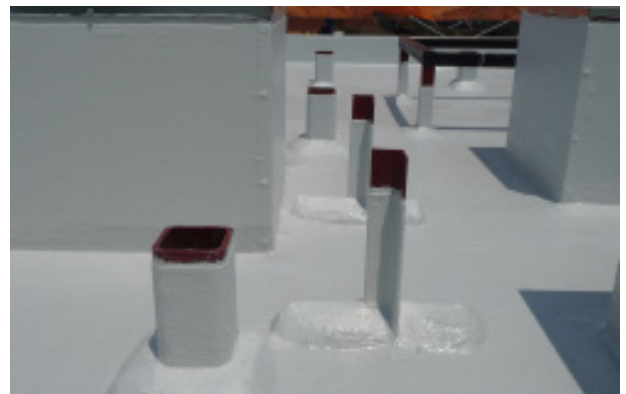
**Hydrotech® Liquid Membrane 7000** - Is a two-component, liquid-applied, asphalt-extended, aromatic polyurethane, waterproofing membrane that adheres to most substrates. Available in both horizontal and vertical grades. It is ANSI/ NSF-61 approved for potable water.



Hydrotech® Liquid Membrane 7000



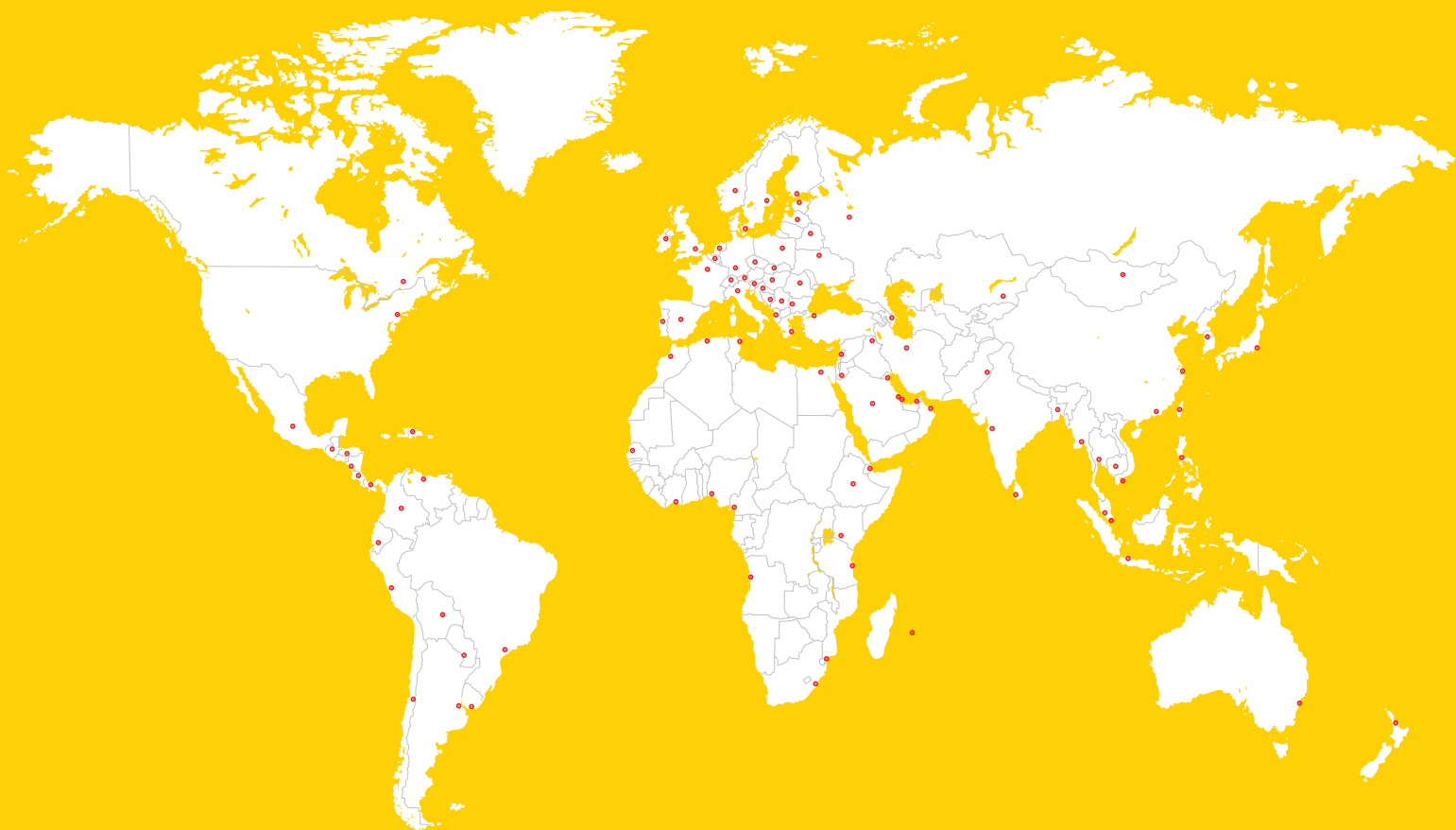
Hydrotech® HydroSeal



Hydrotech® HydroSeal 1K



# GLOBAL BUT LOCAL PARTNERSHIP



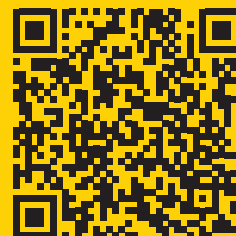
## WE ARE SIKA

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 transportation, marine, automotive, and renewable energy manufacturing industries.

Sika has subsidiaries in 102 countries around the world and, in over 400 factories, produces innovative technologies for customers worldwide. In doing so, it plays a crucial role in the transformation of the construction and transportation sector toward greater environmental compatibility. With more than 34,000 employees, the company generated sales of CHF 11.76 billion in 2024.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to use.

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