



# The Ultimate Assembly<sup>®</sup>



**WATERPROOFING & OPEN JOINT PAVER ASSEMBLY FOR PLAZAS & ROOF DECKS**

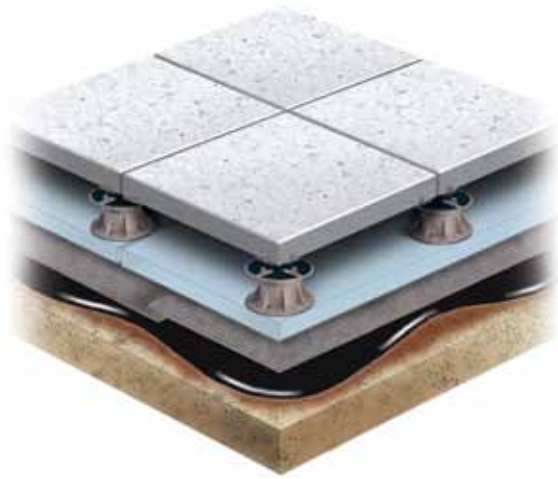
## THE ULTIMATE ASSEMBLY

The Ultimate Assembly<sup>®</sup>, 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<sup>®</sup>, 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.

**Open Joint System** - open joints 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.

**Installation Flexibility** - 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.



American General - Houston, TX



SEPTA Station – Philadelphia, PA Photo Credit: Hanover Architectural Pavers



Heber Wells Building - Salt Lake City, UT

## TYPICAL INSTALLATIONS

**Plazas and Promenades** - a plaza finished with architectural pavers can greatly improve the look of a building exterior. As these areas often enclose occupied space or parking, watertightness is critical – which is why the Ultimate Assembly has been installed on thousands of plazas nationwide.

**Roofs and Terraces** - few roofing systems can match the integrity and beauty of The Ultimate Assembly. Since the layers above the MM6125<sup>®</sup> waterproofing act as a shield against UV rays and harsh weather, the roof structure is well protected. With architectural pavers as the finished surface, the design process gains creative flexibility, while the structure benefits from a high performance overburden.

**Renovation** - replacing old plaza surfaces is a task no owner or developer looks forward to. So when the time does arrive, few care to risk a system with a short or inconsistent performance record. The Ultimate Assembly removes that element of mystery with time tested MM6125 waterproofing, insulation and drainage (both optional), topped with exceptionally durable architectural pavers – and of course, warranted by American Hydrotech, Inc. Thanks to an open joint configuration, assembly maintenance is even remarkably simple.

*The Ultimate Assembly is not intended for vehicular traffic.*

## 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. This is a warranty only Hydrotech can offer and peace of mind only Hydrotech can give.

We cover each and every component provided – ***so the burden of performance is on us.***

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

*Please contact Hydrotech for specific warranty terms and conditions.*



*Trump International Hotel & Tower – Chicago, IL*

## Assembly Components

The Ultimate Assembly is a multi-layered, multi-purpose assembly – in many ways, a design tool that can be tailored to your specific project needs.

**Monolithic Membrane 6125®** - this membrane is the ideal base for The Ultimate Assembly. A fluid-applied, seamless, self-healing rubberized asphalt made of 100% solids, MM6125® bonds to the substrate with strength and durability that last.

**Hydroflex® Protection Sheet** - this heavy-duty fiberglass reinforced rubberized asphalt sheet helps to protect the membrane from construction traffic and topping materials, while also acting as a separation course between the membrane and insulation.

**Hydrodrain® Drainage Medium** - a durable prefabricated drainage panel composed of a high-density polyethylene core and filter fabric, Hydrodrain acts as an avenue for water to flow to substrate-level drains, thereby lessening unwanted moisture. (optional component)

**Dow STYROFOAM® Insulation** - a CFC-free, closed cell, extruded polystyrene board with high compressive strength, STYROFOAM® is moisture resistant and able to retain thermal value over the years. (optional component)

**Architectural Pavers** - Hydrotech's architectural pavers are hydraulically pressed and exhibit high compressive strength, low moisture absorption and exceptional quality where aesthetics cannot be sacrificed. Available in a wide array of colors and finishes – including crushed granite, limestone and blue stone – standard sizes are 12", 18", 24", 30" and 36" square, with thicknesses of 2" to 2 3/4". Rectangular and custom sizes, colors and finishes are available.

**The Ultimate Assembly Accessories** - accessories help to create a finished assembly that is simple and reliable. Spacer tabs ensure joint uniformity, while facilitating expansion, drainage, and air circulation. Pedestals can telescope and can be used with other accessories to compensate for slope in the deck – so the paver surface is level.

**Site Amenities** - rock curbs and wall panels are available to complement your project design. Contact Hydrotech for specific colors and finishes.



Artesa Winery - Napa, CA



Gap Headquarters - San Francisco, CA



Cavalry Hospital - Bronx, NY



Constitution Center - Philadelphia, PA

Much has changed in our industry since I began my career over 40 years ago, but the values that underpin our success have not: integrity, quality, trust, accountability and relationships based on respect for each other. At American Hydrotech we have talented and energetic people who have a passion for their work and who are committed to providing value at a fair price.

In the 1980s Hydrotech recognized a need in the marketplace for architects and designers to have an architectural finish quality paver and watertightness on a variety of deck configurations backed by a single-source warranty. The Ultimate Assembly® was developed to address this need and expand the intrinsic benefit of the usable space solutions.

Our thanks to all of you who have supported us over this great journey. Our goal is to continue to serve our customers with creativity and consistency to generate growth across all channels. May we assist you on your next project?

Please give us a call.

David F. Spalding  
President

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Cover Photo - The Landings at Plymouth Court - LaGrange, IL  
Photo Credit: Hanover Architectural Pavers

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The management system governing the manufacture of MM6125 is ISO 9001:2000 certified