



# GARDEN ROOF<sup>®</sup>

GREEN

ROOFS

FOR THE

LIFE OF THE

STRUCTURE



# " We shape our dwellings and afterwards our dwellings shape our lives."

WINSTON CHURCHILL, 1960

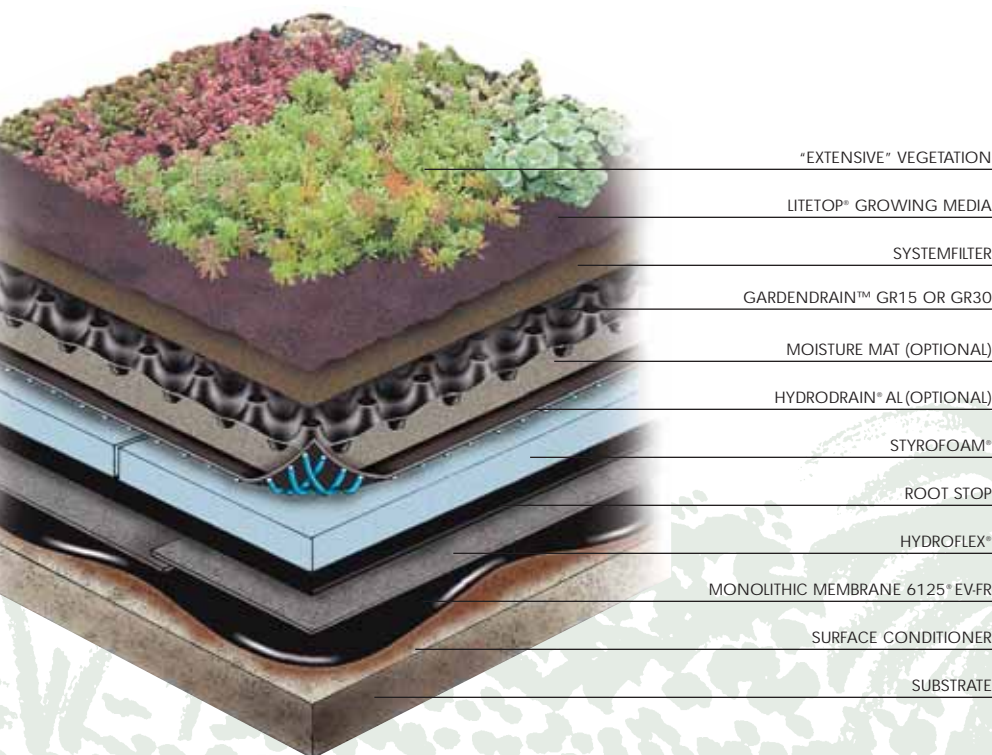
Hydrotech, a global leader in the development of waterproofing and roofing technology, is once again reshaping the future of roofing with the **Garden Roof® Assembly**. Our roofing/waterproofing membrane, MM6125, has been in the field for over 40 years and is rated by the British Board of Agrément as ". . . an effective barrier to the transmission of water . . . for the design life of the roof of which it is incorporated." This is a critical element when considering "life cycle" costs. Now, Hydrotech has combined state-of-the-art European technology with our decades of field experience to bring the building owner the most advanced "green" roof system in the marketplace today.

Hydrotech's **Garden Roof®** adds beauty to the once forgotten area of a building, reclaiming this neglected "fifth elevation" to nature by integrating the building and surrounding landscape. The naked roof level can now be revitalized with a wide variety of plantings from sedums, herbs, grasses, wild flowers, sod lawns, shrubs and small ornamental trees. Hardscape elements, such as pavers, and water features can also be integrated into your design.



Existing flat and sloping roofs offer an ideal opportunity for creating new "green" areas for either ecological, economic or recreational benefits to the Building Owner, such as:

- storm water management
- improving energy efficiency of building
- increasing useable space for tenants
- increasing property value
- creating therapeutic and peaceful environments for hospitals
- absorbing external noise pollution
- improving quality of life
- increasing aesthetic appeal
- recycling of nutrients
- processing of airborne toxins
- reoxygenating the air
- provision of wildlife corridors





The **Garden Roof® Assembly** combines Hydrotech's superior waterproofing technology with an engineered system of drainage/water retention components. Hydrotech can offer detailed solutions to the architect and owner to bring the structure back to "life".

A brief description of some of the **Garden Roof®** components:

**Roofing Membrane**—Monolithic Membrane 6125-EV, a high endurance waterproofing membrane, no VOC's, 25% post-consumer recycled content.

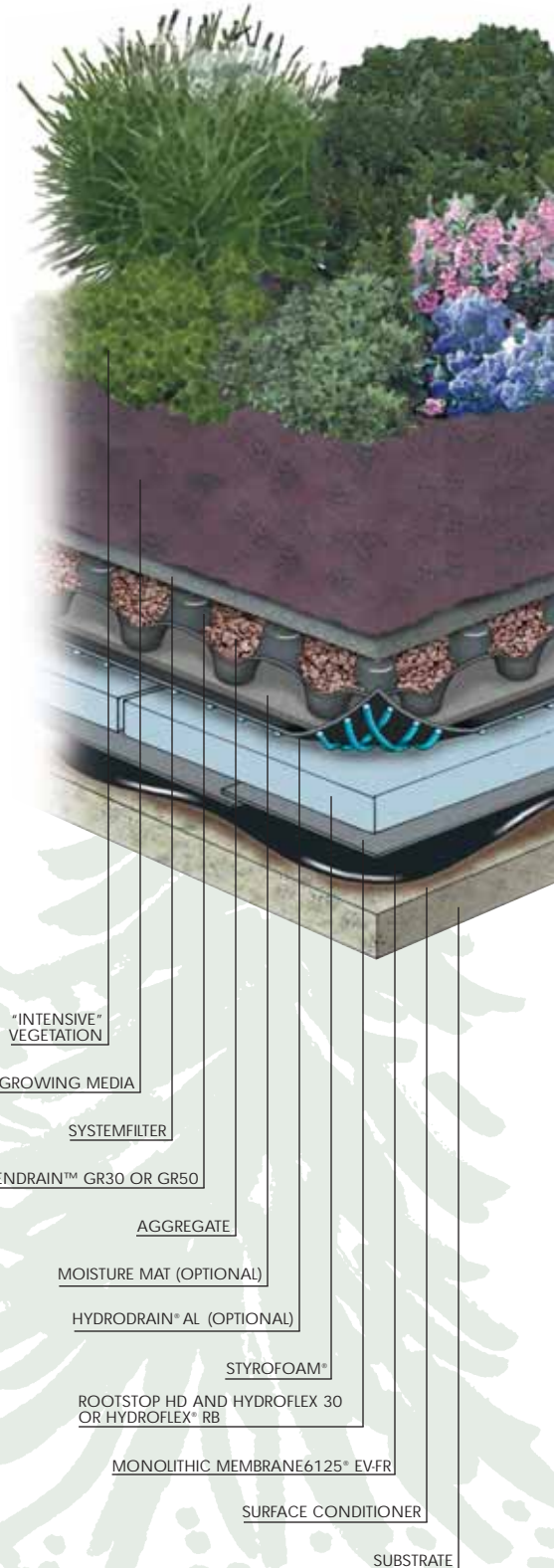
**Protection Course/Root Barrier**—Hydroflex 30 and Root Stop or Hydroflex RB. Light weight or heavy-duty root barrier sheets.

**Insulation**—Dow STYROFOAM® moisture resistant, thermally stable, reusable, CFC free. (optional component)

**Drainage/Water Retention Elements**—GR15, GR30 or GR50; 100% recycled polyethylene three-dimensional panels provide water storage, drainage, and aeration for substrate soil. Moisture Mat, a specially designed polypropylene mat can be added for extra water retention.

In addition to providing the **Garden Roof®** components, Hydrotech can work in tandem with the landscape architect to provide technical guidance on the selection of an appropriate blend of our LiteTop® lightweight soils with the selected vegetation.

The **Garden Roof®** Assembly by Hydrotech is a sustainable system design; backed by over 40 years of combined experience in premium waterproofing and green roof components. For more detailed information regarding the planning of your next "Garden Roof", contact a Hydrotech representative to request a Planning Guide.



## WEIGHT SAVINGS COMPARISON

System	Approximate Wet Weight/SF
Traditional Green Roof	125 - 180 lbs.
Hydrotech Garden Roof - Intensive	45 lbs.+
Hydrotech Garden Roof - Extensive	18 - 31 lbs.



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