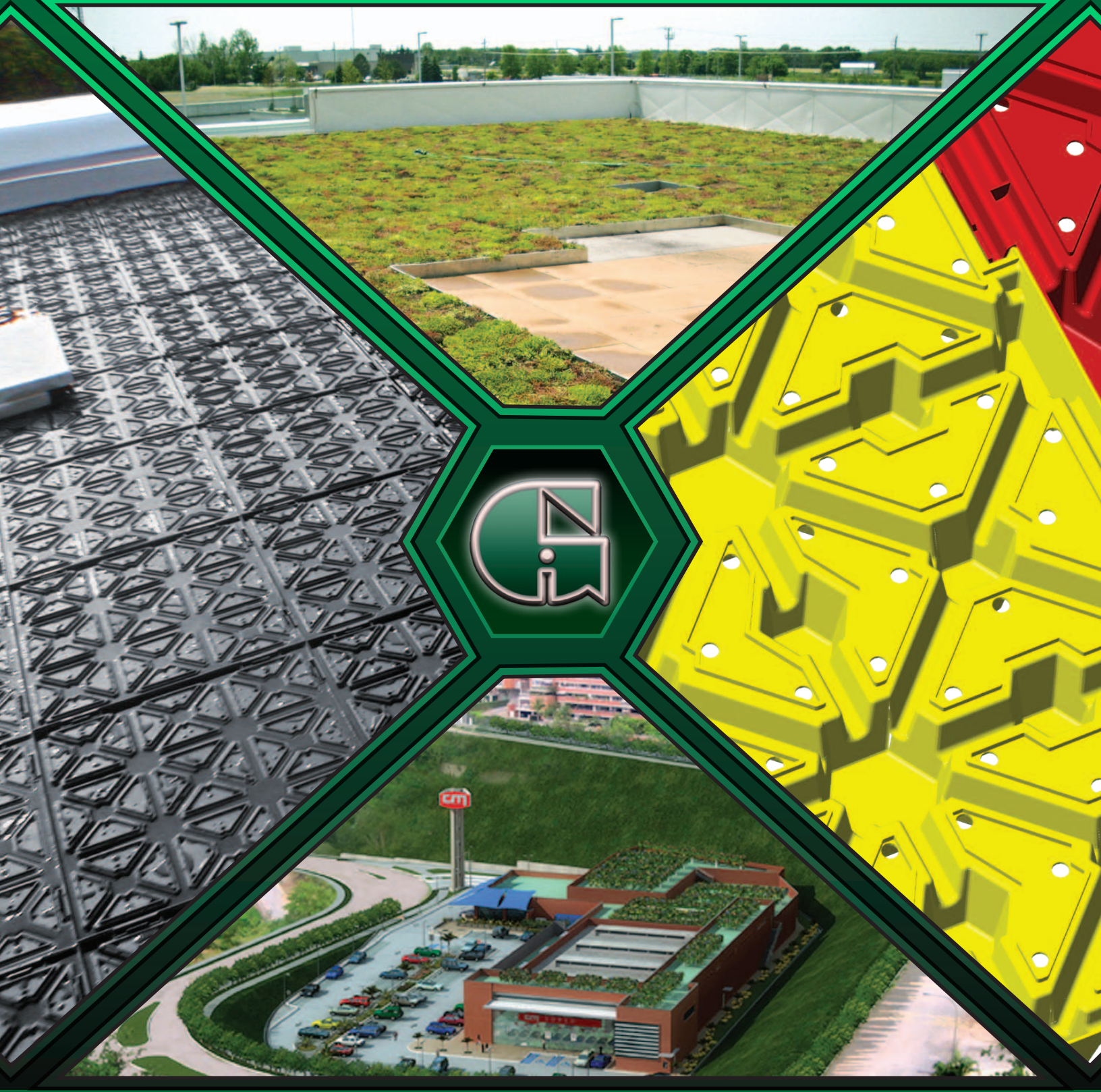
GREEN ROOF
WATER RETENTION PANELS



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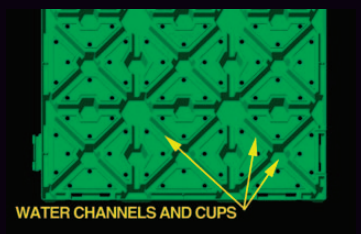
Green Roof Water Retention Panel System

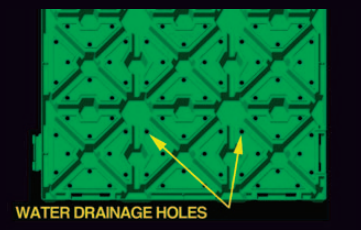
PRODUCT FEATURES / DATA | **GR SERIES SYSTEM**

STORM WATER MANAGEMENT SOLUTIONS

The system allows air flow under the panels. This promotes healthier plant roots. In addition, it is better for the roofing membrane's life-span to have this ventilation space.



Water is uniformly distributed throughout the entire Green Roof Area, providing superior Storm Water Management while reducing or eliminating the need for an irrigation system.



Sufficient drainage holes to allow for smooth run off, in the event that the rain events are heavy, however, based on experience, we have seen almost no water ever draining from the system. Very high retention rate.

Panels snap and lock together, resulting in a stable and uniform platform on which to complete the Green Roof.

The Green Innovations series of green roof water retention panels have been developed as an intricate component in green roof design and installation. The panel design allows for a uninterrupted continuous layer of the growing medium. The vegetation can be installed as vegetative mats, plugs or hydro-seeded.

Our clients and progressive designers are setting new standards and *Leading the Way* in superior Green Roofing performance incorporating our panels. With successful projects across North America, the choice is clear.

"The results allow us to design with confidence when considering water storage capacity of the drainage panels and water runoff; thereby, avoiding overloading of the structure and water wash out of the growing medium."

D. Fishburn, Fishburn Building Sciences Group Inc.

SPECIFICATIONS

SPECIFICATIONS	GR32	GR52
SIZE	24" x 24" x 1¼"	24" x 24" x 2⅛"
WEIGHT (DRY)	2.4 lbs. per panel 0.6 lbs. per sq.ft / 2.93 kg./m²	3.42 lbs per panel 0.86 lbs per sq.ft / 4.17 kg./m²
WEIGHT (INCL. WATER)	1.93 lbs. per sq.ft / 9.41 kg./m²	3.79 lb per sq.ft / 18.52 kg./m²
WATER CAPACITY	0.165 US Gallons per sq. foot 6.73 L/m²	0.352 US Gallons per sq. foot 14.35 L/m²
MATERIAL	100% Recycled HDPP—Black *(shade may vary)* Confirms to ASTM D256 and ASTM D790 Manufactured under ISO 9002 to insure our commitment to quality	

LEED CREDITS

- SS Credit 6 - Stormwater Management
- SS Credit 7 - Landscape & Exterior Design To Reduce Heat Islands
- MR Credit 4 - Recycled Content

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GREEN ROOF WATER RETENTION PANEL SYSTEMS

The **Green Innovations** series of green roof water retention panels have been developed as an intricate component in green roof design and installation. The panel design allows for a uninterrupted continuous layer of soil right to the edging and the vegetation can be installed as vegetative mats, or plant plugs or hydro-seeded.

Water is a critical and important concern for the vegetation and drainage of the roof. Our components satisfy both issues with superior storm water management handling channels and reservoir areas moulded into the panels, retaining as much as 98% of the water. The stored water is fairly evenly distributed over the surface allowing water to be in close proximity to your entire vegetative system.

Think Green Innovations under your green for your next Green Roof Project.

FEATURES

- manufactured using 100% recycled plastic
- snap together making installation quick and easy
- designed to retain water, thus eliminating the need for an irrigation system
- excess water flows through a series of well distributed holes
- provides for air-flow under the panel and above the roof membrane
- the interlocking system allows for a uniform surface to build the green roof layers upon
- panels do not require ballasts during installation
- easy and fast to cut with skill saw or cut-off saw to fit snug around drain inspection chamber or other items
- high compression strength
- aggregates or expanded clays not required, saving substantial time during installation
- can be used on sloped roofs

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