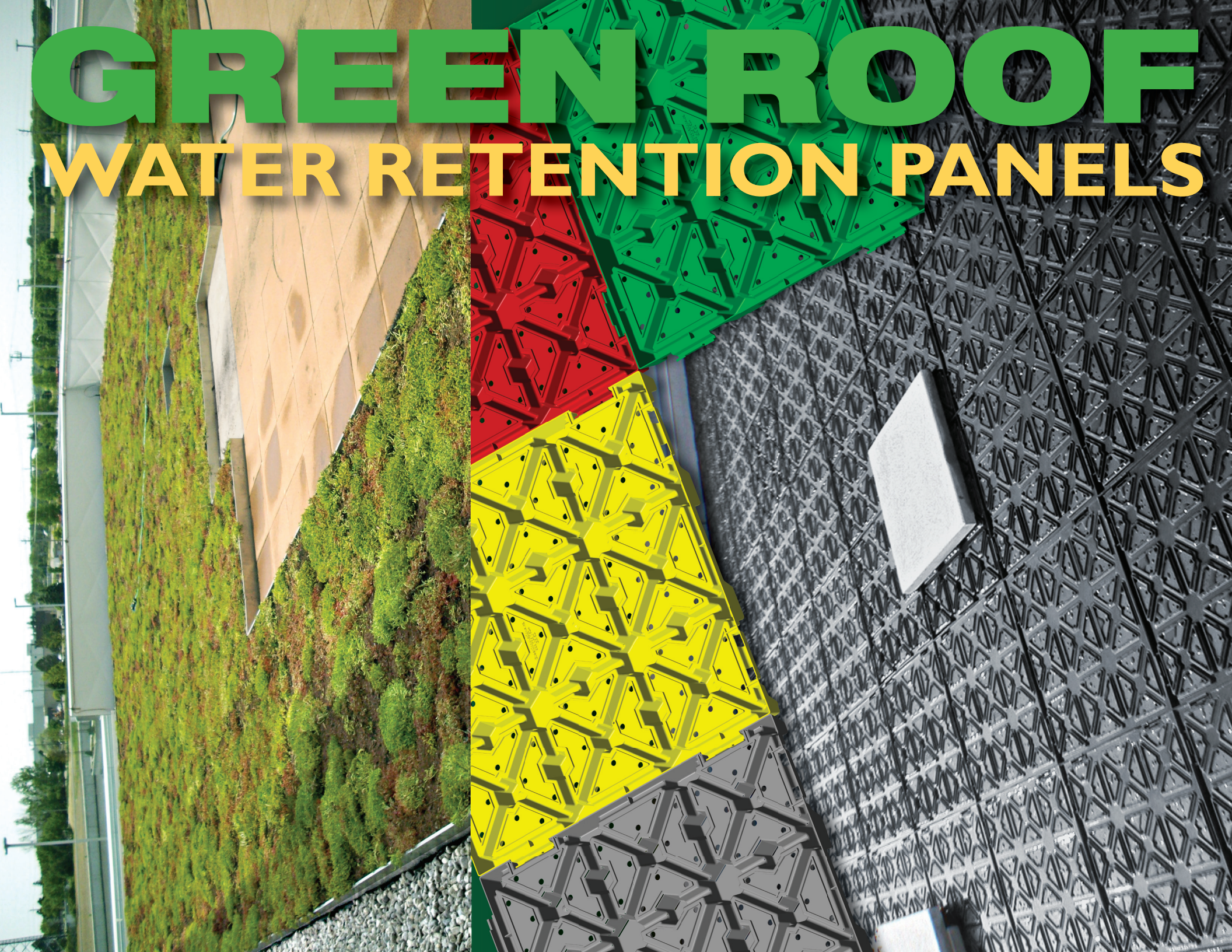
GREEN ROOF

WATER RETENTION PANELS



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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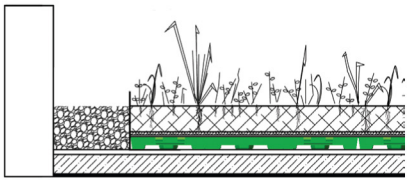
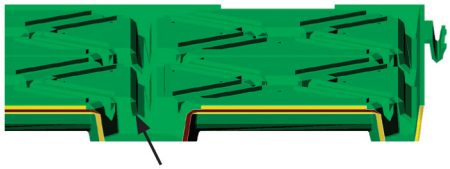
Green Roof System – GR32

TECHNICAL DATA SHEET

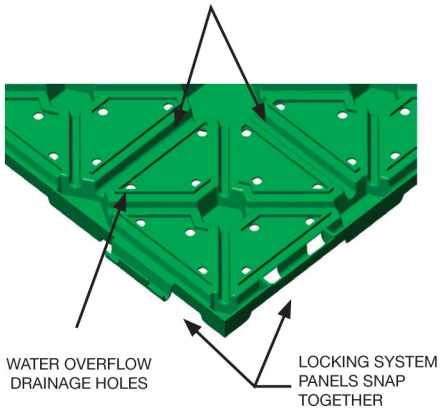
STORM WATER MANAGEMENT SOLUTIONS

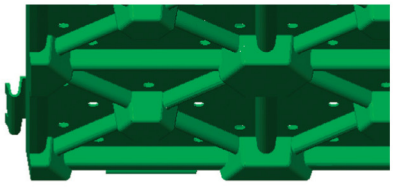


SAMPLE GREEN ROOF DETAIL

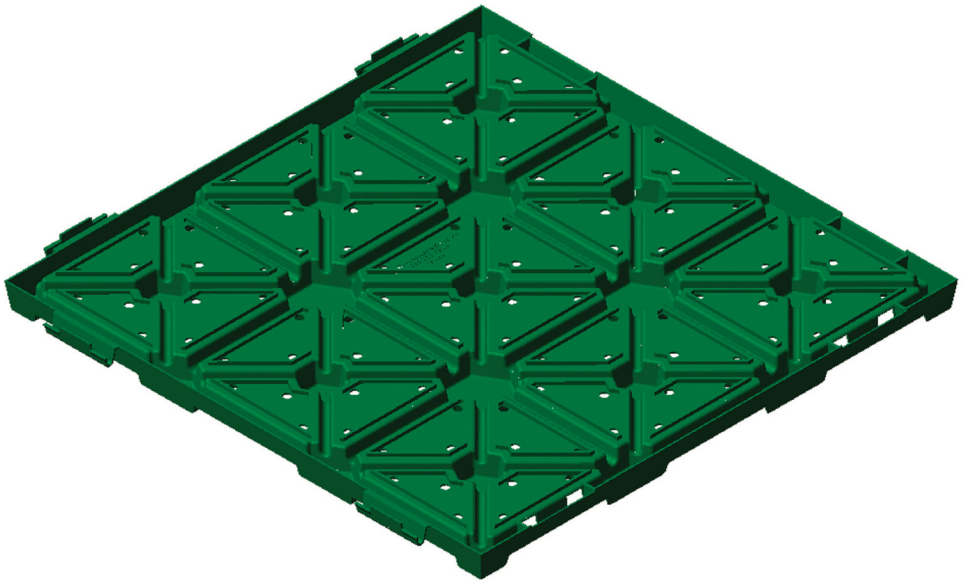


WATER FLOWS THROUGHOUT THE CENTER PANEL VIA RESEVOIR CUPS AND CHANNELS TO ASSURE UNIFORM DISTRIBUTION.





ROUNDED EDGES ON BOTTOM OF WATER RESEVOIRS TO PREVENT ROOF DAMAGE



The GR32 green roof panel is designed as a water retention and drainage component suitable for intensive and extensive green roof design.

SPECIFICATIONS

SIZE	24" x 24" x 1¼" 4sq. ft. / .372m^2
WEIGHT (DRY)	2.4 lb per panel 0.6 lbs per sq.ft / 2.93kg./m^2
WEIGHT (INCL. WATER)	1.93 lb per sq.ft / 9.41kg./m^2
WATER CAPACITY	0.165 US Gallons per sq. foot 6.73 L/m^2
MATERIAL	100% Recycled HDPP (color black- *shade may vary*)
WORKING TEMP.	minus 40˚F to 212˚F
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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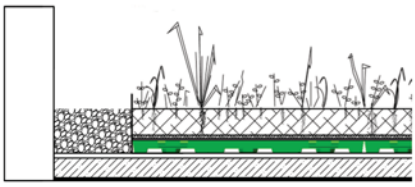
Green Roof System - GR52

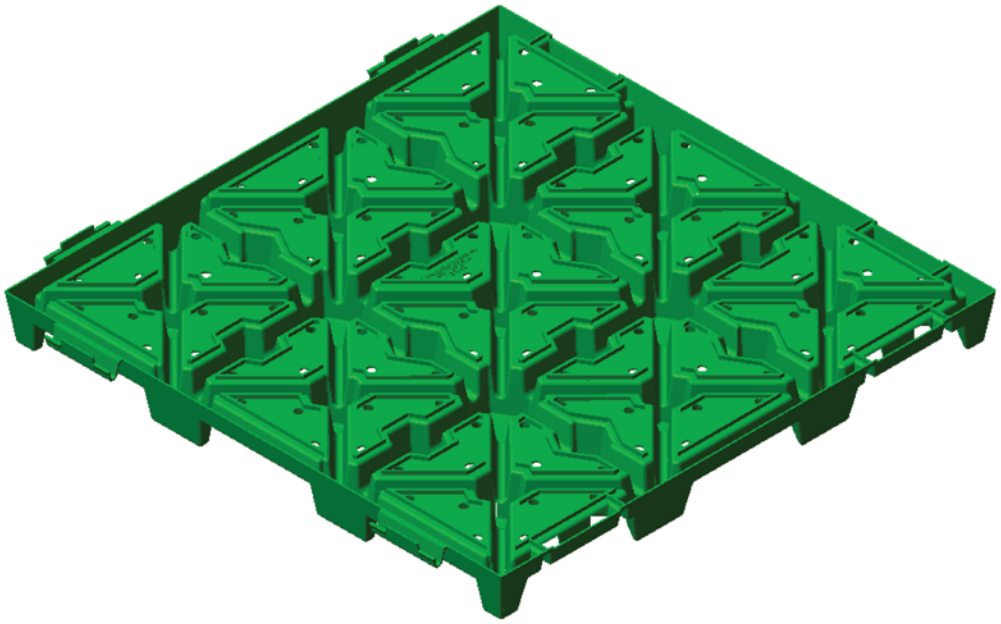
TECHNICAL DATA SHEET

Available Spring 2010

STORM WATER MANAGEMENT SOLUTIONS



SAMPLE GREEN ROOF DETAIL

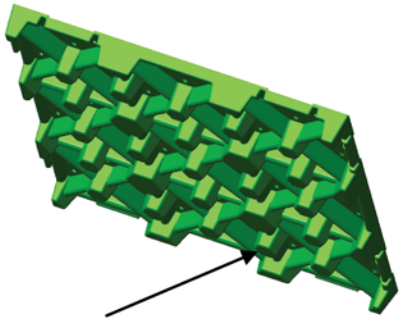


The GR52 green roof panel is designed as a water retention and drainage component suitable for intensive and extensive green roof design.

WATER FLOWS THROUGHOUT THE ENTIRE PANEL VIA RESERVOIR CUPS AND CHANNELS TO ASSURE UNIFORM DISTRIBUTION

WATER OVERFLOW DRAINAGE HOLES

LOCKING SYSTEM PANELS SNAP TOGETHER



ROUNDED EDGES ON BOTTOM OF WATER RESERVOIRS TO PREVENT ROOF DAMAGE

SPECIFICATIONS

SIZE	24" x 24" x 2⅛" 4 sq. ft / .372m²
WEIGHT DRY	3.42 lbs. per panel 0.86 lbs. per sq. ft / 4.17kg./m²
WEIGHT INCL. WATER	3.79 lbs. per sq. foot / 18.52kg./m²
WATER CAPACITY	0.352 US Gallons per sq. foot 14.35 L/m²
MATERIAL	100% Recycled HDPP (color black - shade may vary)
WORKING TEMP	minus 20°C to 60°C
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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