



Green Roofing Drainage Solutions





Zurn is proud to introduce its Green Roofing Drain product line, specifically suited for the unique needs of a green roof installation.

Having proper drainage on a green roof is a critical aspect of the system. If the system is not able to drain properly it can negatively impact the vegetation due to over-saturation of the soil. As the soil takes on excessive amounts of water it continues to add weight to the roofing structure. This added load has the potential to compromise the structural integrity of the roof. In order to prevent these situations from occurring, the roof drain must allow adequate flow through the drain at all times.



Benefits of Zurn Green Roofing Drains

Performance

- Stainless steel perforated extension allows for optimal flow into the roof drain while simultaneously keeping debris out.

Ease of Maintenance

- Removable lid allows for easy routine maintenance.

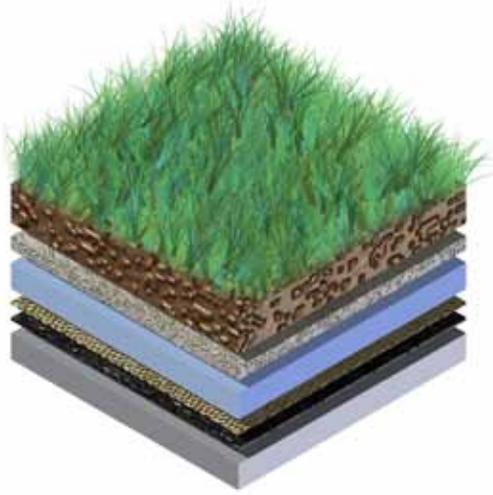
Versatility

- Customizable enclosures guarantee the roof drain aligns with the green roof surface and offer an aesthetically appealing finish to the roof environment.

Zurn Green Roofing Solutions – Extensive Layered System

Extensive Layered Green Roof

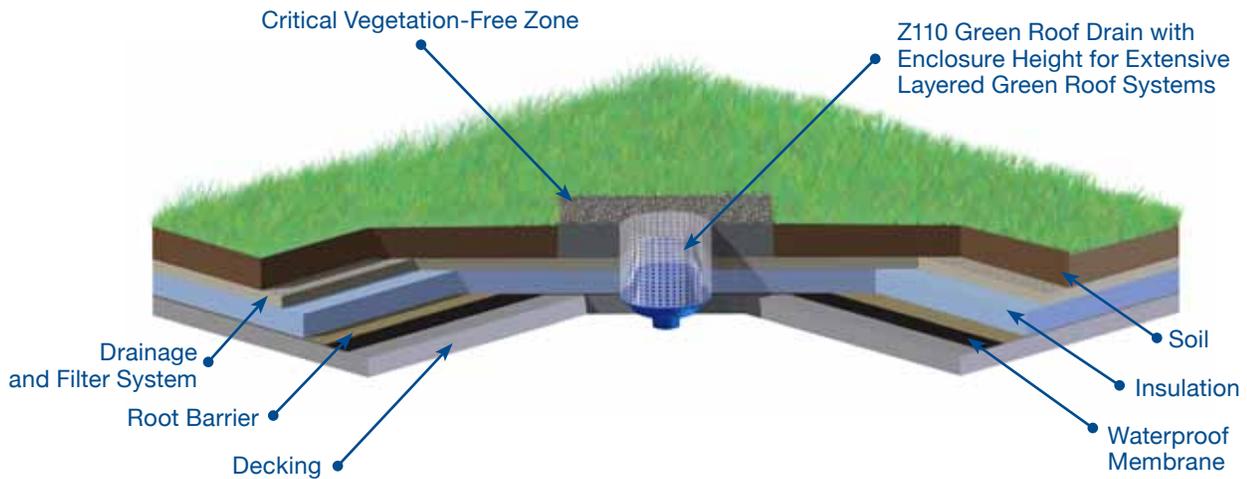
Extensive green roofs have a shallower soil depth, therefore, the roof drain enclosure height is typically 12" or less.



Z110 Green Roof Drain shown with 12" height for extensive green roofing applications. Z110 roof drains are available with enclosure heights ranging from 5" to 18" or as specified.



Zurn Z110 Installed in an Extensive Layered Green Roofing Application



NOTE: Layers are shown for illustration purposes only and will vary depending upon installation.

Zurn Green Roofing Solutions – Intensive Layered System

Intensive Layered Green Roof

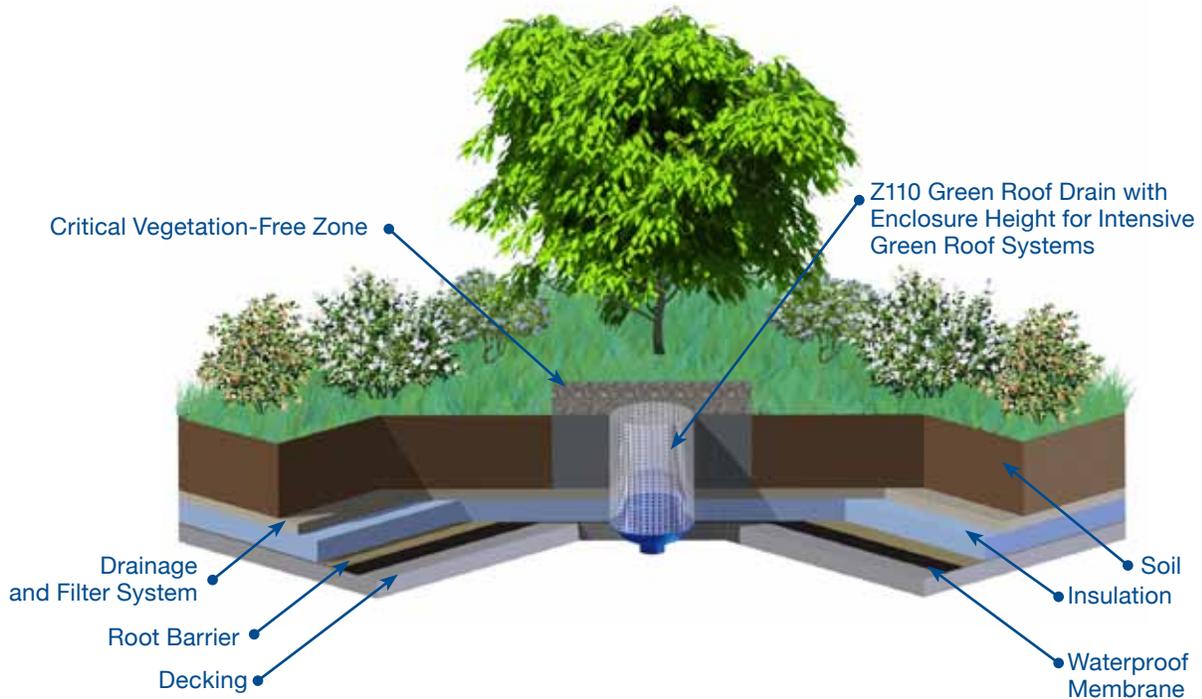
Intensive green roofs have a deeper soil depth, therefore, the roof drain enclosure height is typically 12" or more.



Z110 Green Roof Drain shown with 18" height for intensive green roofing applications. Z110 green roof drains are available with enclosure heights ranging from 5" to 18" or as specified.



Zurn Z110 Installed in an Intensive Layered Green Roofing Application



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Zurn Green Roofing Solutions – Modular System

Modular green roofs are installed differently than layered green roofs, requiring a different style of roof drain. Zurn offers a variety of roof drain solutions suited for modular green roofs, such as the Z163 and the -84 options, both shown below.

Z163



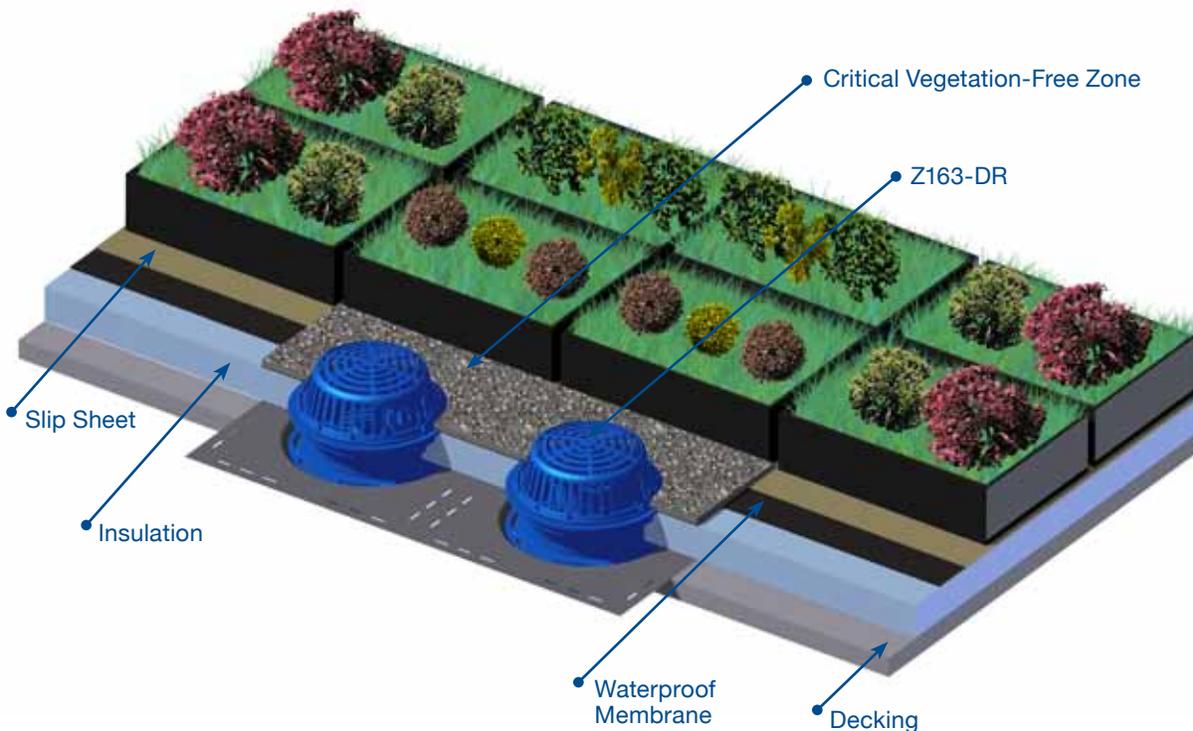
If code requires a primary drain and an overflow drain side by side, the Z163 (shown above) is an ideal solution. It can provide spacing to grid around the drains and easy installation with the Zurn Top-Set™ deck plate. The Z163 can also be incorporated with drain risers (-DR option) which allows for easy vertical adjustment.

Z100-84



If stone ballast is being utilized around the drain, the -84 option (shown above) will allow for flow through the drain while also keeping the stone ballast out.

Zurn Z163-DR Installed in a Modular Green Roofing Application



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More Sustainable Solutions from Zurn

Versatility and Selection

Zurn offers the widest selection of green roofing choices in the industry with our Z110 and ZS110 lines. With a choice of stainless steel and cast iron alternatives, you will find the right solution for your application.

More Green Roof Applications

The Z110-AI is supplied with an auxiliary inlet for additional drainage capabilities into the roof drain. In addition to our green roof drains, Zurn also offers a wide selection of planter-style drains for rooftop promenade decks. If your application is beyond what we offer off of the shelf, we can custom-engineer a unique green roofing solution for your project.

Cool/Reflective Roofs

Cool roofs, also known as reflective roofs, are considered a “green” alternative to traditional-style roofing. This type of roof offers environmental benefits by reflecting sunlight and heat instead of absorbing it. The Zurn roof drain with Top-Set™ technology is an excellent solution for cool roofs.

Siphonic Roof Drains

Zurn siphonic roof drains utilize a baffle to eliminate all air from the piping system. This innovative design solution provides multiple benefits to the building, such as reducing both the amount of drainage pipe required and the diameter of the drainage pipe.

Zurn Green Roof Drains



Z110-AI



Z100-DP



Z131



Shown installed in intensive green roofing system



Z150-DT Decorative Prom-Deck Roof Drain

Shown installed in intensive green roofing system



Shown installed in cool roof application



Z163 Combination Primary/Overflow Roof Drain

Shown installed in traditional roof



ZS110 Green Roof Drain

Shown installed in extensive green roofing system



Shown installed at the base of the building



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