

## Stormwater management Roof

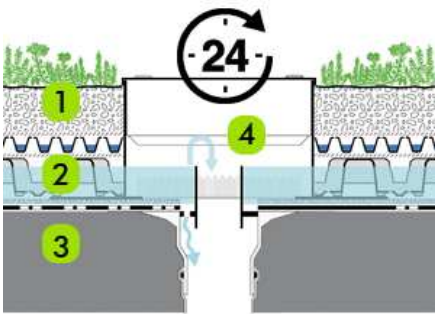
High capacity without negative effect

Changing weather conditions, increased impermeable surfaces and aging sewer systems are resulting in flooding in urban areas. One of the great benefits of a green roof assembly is that it detains water and allows for time-delayed run-off of storm water (water retention). High water storage in green roofs can affect the development of the vegetation drastically, resulting in high maintenance and loss of plant material. Using high absorption products like compost or rockwool will have a negative on the growth of the vegetation in the long term.

### RETENTION SPACER RS60

The ZinCo Stormwater Spacer RS60 creates a water storage void underneath the green roof. This allows water to be stored under the green roof without being in contact with the vegetation. In combination with the ZinCo slow release drain, it is possible to retain an additional 55 L/m<sup>2</sup>. The stored water will be slowly released into the sewage system.

#### Assembly:



1. Green Roof Assembly
2. ZinCo Retention Spacer RS60
3. Roof Construction with Waterproofing Membrane
4. ZinCo Slow Release Drain



Floradrain ® FD 40



ZinCo Slow Release Drain



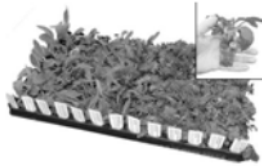
**High Capacity**

#### Features:

- High Retention Capacity
- No contact with the vegetation
- Easy installation.
- Economical and attractive.

**Slope:** 2-5 degrees  
**Saturated weight:**  $\geq 182 \text{ kg/m}^2$  (38 psf)  
**Height:**  $\geq 200 \text{ mm}$  (8")  
**Retention capacity:**  $\geq 98 \text{ L/m}^2$

# INNOVATING WITH NATURE



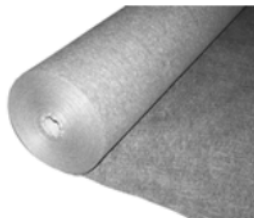
**Special plants for extensive green roofs.** Available species: sedums, grasses and drought resistant perennials. For information about plant lists see page 4-6 or contact us at: 905-690-1661 or e-mail: greenroof@zinco.ca

Product	Art. Nr.	Size of Delivery
Sedum Cuttings	8300	Per pound
Plug plants tray of 50	8200	Plug
Plug plants tray of 72	8220	Plug
Pre-grown vegetation mat	8100	Approx. 1,0 x 2,00 m mats



**Growing medium for extensive Green Roofs ZinCoblend –E** are produced using recycled materials and minerals, enriched with high quality compost elements, resistant to flying sparks, frost-resistant, stable structure. Special engineered by ZinCo Canada and meets the FLL-standards for Planning, Execution and Upkeep of Green Roof sites.

Product	Art. Nr.	Size of Delivery
ZinCoblend-E - Bulk	6110	Per cubic meter
ZinCoblend-E - Big Bag	6120	Per cubic meter



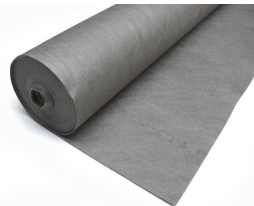
**ZinCo filter sheet SF** made of non-rotting thermally consolidated polypropylene. Used in combination with the Floradrain elements. Water flow rate: 70 l/(m2s) if there is a water column of 100 mm. Apparent opening size:  $d_{90}\% = 95 \mu\text{m}$ . Weight: 100 g/m2. Thickness: 0.60 mm. Penetration force: 1100 N.

Product	Art. Nr.	Size of Delivery
Filter Sheet SF	2100	Approx. 2.00 m x 100.00 m roll
Filter Sheet SF	2101	Approx. 2.00 m x 10.00 m sheet
Filter Sheet SF	2102	Approx. 1.00 m x 100.00 m roll



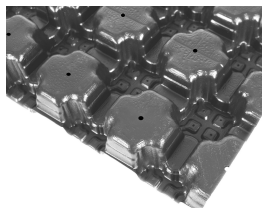
**ZinCo drainage and water retaining element Floradrain® FD25-E** for extensive green roofs. Made of recycled polyethylene, with water retaining troughs and openings for ventilation and evaporation as well as a multidirectional drainage channel system. Bitumen resistant - Max. compressive strength > 270 kN/m2. Water storage capacity: 3 l/m2. Weight: approx. 1,7 kg/m2. Height: 25 mm

Product	Art. Nr.	Size of Delivery
Floradrain® FD 25-E	3028	Approx. 1,00 x 2,00 m elements



**ZinCo Filter Sheet PV** made of non-rotting thermal consolidated polypropylene & polyethylene. High pressure resistance. . Water flow rate: 45 L/(m2s) if there is a water column of 100 mm. Apparent opening size:  $d_{90}\% > 90 \mu\text{m}$ . Thickness: 1.4 mm. Weight: 330 g/m2

Product	Art. Nr.	Size of Delivery
Filter Sheet PV	2131	Approx. 2,25 x 50,00 m roll



**Highly efficient retention spacer ZinCo RS60 element** made of thermoformed recycled polyolefin. Specifically designed as spacer for stormwater management roofs. Height: 60 mm. Compressive strength: approx. 35 KN/m2. Creates an additional 80 L/m2 storage capacity. Weight: 2.2 Kg/m2.

Product	Art. Nr.	Size of Delivery
RS60	2045	Approx. 2.25 m x 1.00 m sheets



**ZinCo root barrier WSF 40** (Optional item if non root-resistant waterproofing used.) made of high density polyethylene for extensive Green Roofs - Bitumen and polystyrol resistant - Without plasticizer - tear-proof - UV-stabilized. Thickness: 0,34 mm. Weight: 320 g/m2. Tensile strength: 40 - 47 N/mm<sup>2</sup>.

Product	Art. Nr.	Size of Delivery
WSF 40	1040	Approx. 8.00 m x 25.00 m roll
WSF 40	1041	Approx. 6.25 m x 20.00 m roll
WSF 40	1043	Approx. 2.00 m x 50.00 m roll
WSF 40	1044	Approx. 3.00 m x 33.50 m roll