



WINDIDRAIN H.5cm (2")



The WINDIDRAIN® elements are specifically designed for extensive and intensive systems where substantial water retention is required for plant usage. They are light weight panels made of 100% recycled polypropylene, molded specially and designed with retention cups and drainage. The unique design allows for the free drainage of excess water, achieving flow rates from 10 to 30 times higher than that of conventional drainage methods. At the same time, the system is engineered to promote irrigation through capillary action and evaporation into the soil/vegetation level. WINDIDRAIN® may easily be installed over waterproofing membranes or insulation. It is easily cut to fit around penetrations, perimeters, and drains. In applications where intensive systems are required, the retention cups may be filled with mineral substrates.

WINDIDRAIN® may also be installed to create green areas where it was not previously possible. Plants and flowers, now may easily be achieved on existing roofs, terraces and paved yards. The WINDIDRAIN® system, has a wide range of utilizations: To change the terrace floor into a garden plot with shrubs and trees, is easy as laying the WINDIDRAIN® elements on an existing terrace or balcony, applying the required filter fabric, laying the soil and planting.

Applications

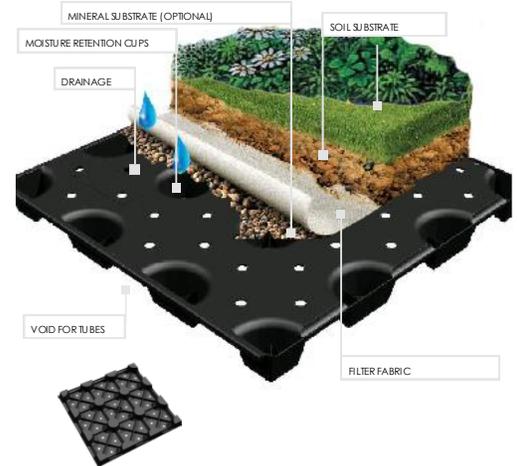
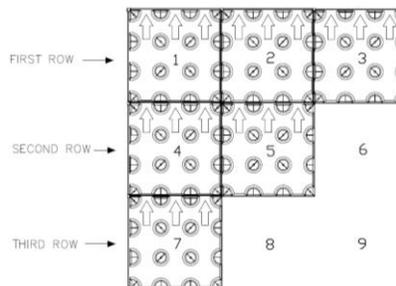
- Extensive green roof systems
- Intensive green roof systems
- Existing terraces or balconies



Installation

CUPOLEX® provides Excellent Flexibility in Working with new construction or remodeled building layouts. The main characteristics of the Green Roof drainage system are speed and simplicity; the following points should be adhered to:

- On average two laborers set 110 m²/hr (1200 sf/hr)
- Layout complies with a grid system
- Can be installed on any resting surface - soil, gravel, concrete, etc.
- Each unit has an installation arrow
- Units are Installed by starting from left to right and top to bottom
- Ensure that the feet connection pins are correctly inserted into their connection holes



Advantages

- Arrives on site packaged and ready to be installed
- Quick and simple to install with basic hand tools
- Can be easily adapted to site variations
- Made out of 100% non-toxic recyclable material which contributes to LEED certified building
- Manufactured to ISO 9001:2000 high quality standards

Features

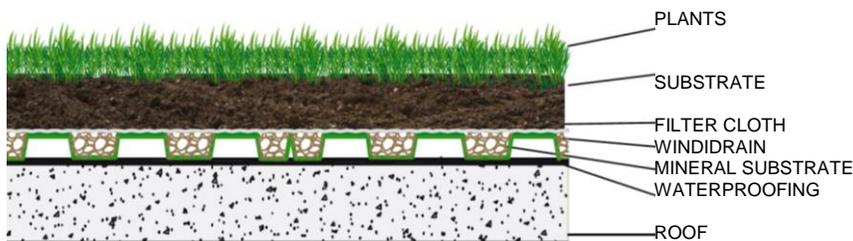
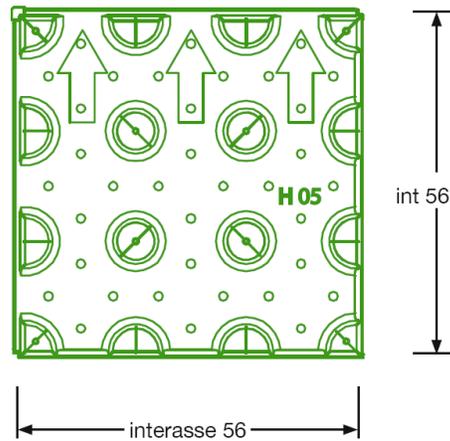
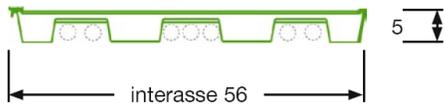
- Rounded feet allow elements to be applied directly on the waterproofing;
- WINDIDRAIN® creates a consistent cavity underneath in all directions for passing of irrigation systems, pipes or other services;
- Adaptable for both flat and sloped roofs;
- Excellent component for Extensive and Intensive roof assemblies;
- High compressive strength of 6000 kg/m² (9.0 Psi), allowing for a variety of landscape surfaces, pavers, concrete slabs, pedestrian and vehicular traffic;
- Suitable for steep roofs, due to its patented interlocking system;
- Superior drainage of excess water/flow rates;
- Ideal for use with lightweight engineered soils;
- Speed and simplicity of assembly are the primary benefits;
- Ventilation and aeration in all directions;
- Made of 100% recycled high density polyethylene plastic;
- Endless adaptability. Quick cutting using circular saw in unique situations.
- CUPOLEX WINDIDRAIN® is available in 50mm and 100mm heights.



Product Data

Made of 100% recycled high density polyethylene plastic, the WINDIDRAIN® unit provide the maximum performance and guarantees superior characteristics of stability and resistance in its structure to allow operations that are completed directly above the plastic elements before and during the placement of the substrates. WINDIDRAIN® units are molded in a variety of depths to deal with different levels of water storage and for different depths of substrate requirements.

Cupolex Windidrain Height	Overall Form Depth cm (inch)	Plan Dimension Installed cm (inch)	Water Retention m ³ /m ² (cy./sq.ft)	Clear Void Equivalent cm (inch)	Weight Per Unit Kg (lbs)
CUPOLEX WINDIDRAIN 5-56	5 (2")	56x56 (22'x22')	0.008(0.0010)	4 (1.57)	1.0 (2.20)
CUPOLEX WINDIDRAIN 10-56	10 (4")	56x56 (22'x22')	0.030(0.0036)	7 (2.76)	2.0 (4.40)



Storage & Handling

- All products are delivered on heat treated wood pallets with polythene wrapping
- Handle WINDIDRAIN® with safety gloves and safety glasses
- Avoid impact
- Avoid tipping WINDIDRAIN® pallets
- See specific instructions for installing product in temperatures below 0°C or above 35°C.
- WINDIDRAIN® waste can be completely recycled.

Packaging

WINDIDRAIN® is packaged on heat treated wood pallets wrapped with cellophane and certified for international shipping.

Pallet Dimension: 1.2m x 1.2m x h 2.0m (4' X 4' X h 6.5')

No. Of Units per Pallet: 430

Area per Pallet: 135m² (1,453sf)

Weight per Unit: 1.20kg (2.64Lbs)

Total Weight per Pallet: 480kg (1,058Lbs)

Material

Made of 100% recycled high density polyethylene plastic. The forms provide the maximum performance and guarantees superior characteristics of stability and resistance in its structure to allow operations that are completed directly above the plastic CUPOLEX® elements before and during the placement of the concrete.

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