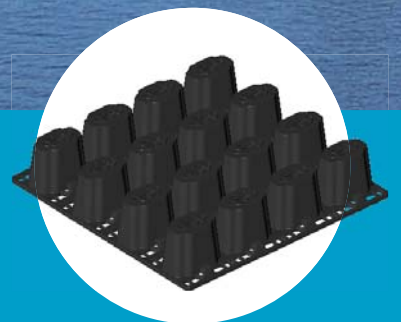


# drainpanel

innovative rainwater management solution



- HIGH VOID RATIO
- RESISTANT
- STACKABLE



# DRAINPANEL THE SOLUTION

**DRAINPANEL** is a modular element made of regenerated PP, designed for the creation of underground stormwater management basins.

The system can be used to create either a retention or an infiltration basin by different choice of geosynthetic liner (a non-woven liner for infiltration, a waterproof membrane for storage).

The Drainpanel elements arrive on site neatly stacked one into another. Once on site the parts are stacked in alternately oriented rows creating voids for water storage. The product's high compressive strength allow heavy duty application such as traffic load.

- RAINWATER INFILTRATION
- STORMWATER DETENTION
- RAINWATER HARVESTING



High strength modular system for large capacity rainwater infiltration or detention underground basins

## light



Weighing less than 10 kg, **DRAINPANEL** can be handled manually without using any lifting device

## quick



The low weight and simple method of installation make the creation of the basin easy and quick

## stackable



The **DRAINPANEL** elements stacked on a pallet fit into each other: the result is a greater water storage volume per pallet than other equivalent water storage methods.

## strong



The structure and the material of **DRAINPANEL** ensure a high compressive strength, the system can be installed under heavy traffic areas

## capacity



**DRAINPANEL** is designed to obtain a high void ratio, greater than an infiltration trench filled with gravel

## stackable

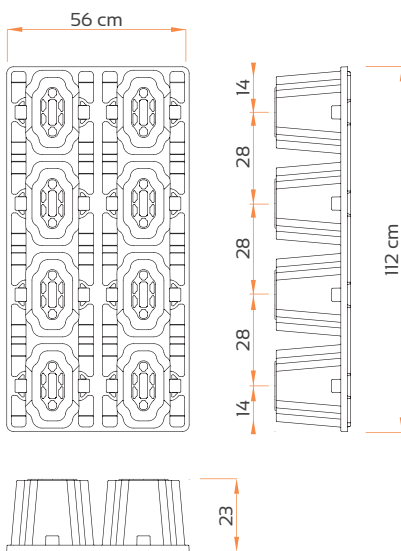
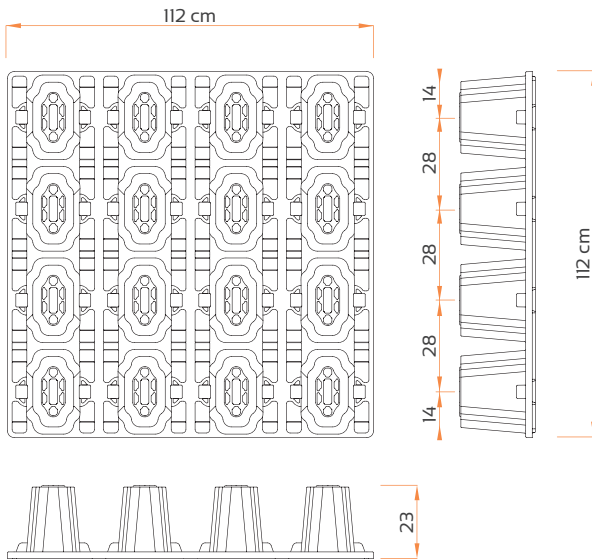


**DRAINPANEL** can be stacked up to 4 m high to carry heavy loads.

# DRAINPANEL

# TECHNICAL

# DATA



## DRAINPANEL

Dimension (cm)	112 x 112 x 23
material	PP
weight (kg)	10
capacity (l/unit)	250
void ratio	96%
maximum load (t/m <sup>2</sup> )	40
packaging size (cm)	112 x 112 x 250
n° pcs. per pallet	75



## DP-HALF

Dimension (cm)	112 x 56 x 23
material	PP
weight (kg)	5
capacity (l/unit)	125
void ratio	96%
maximum load (t/m <sup>2</sup> )	40
packaging size (cm)	112 x 112 x 250
n° pcs. per pallet	150

## DRAINPANEL GRID



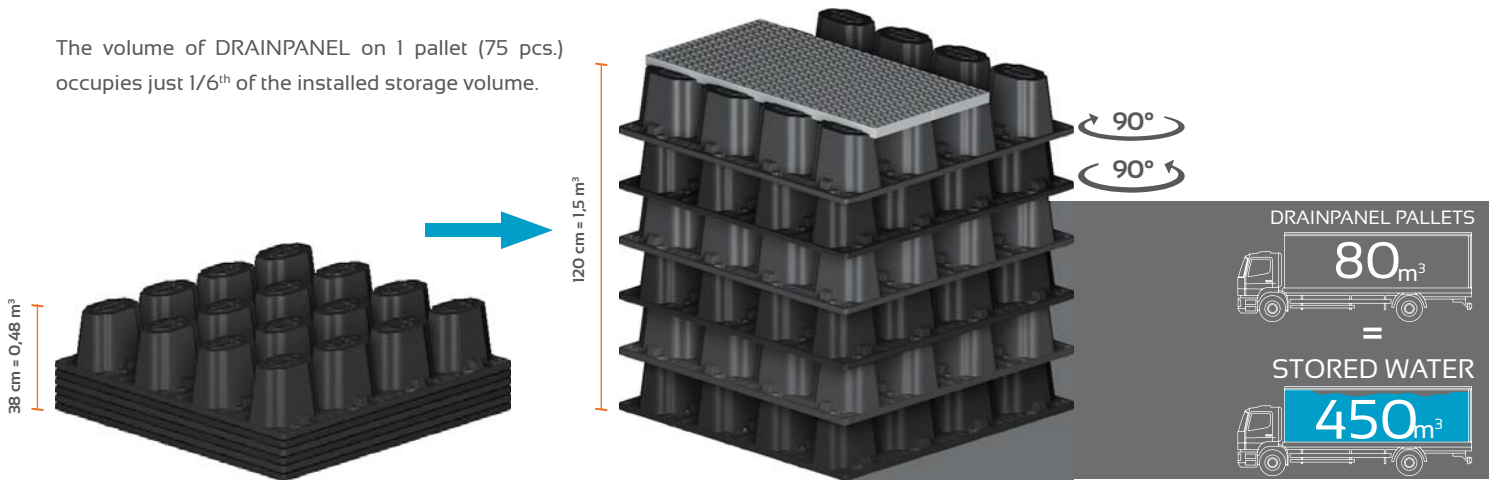
The DRAINPANEL GRID is used to close the top of the system once placed in the ground and provides the laying surface for the geotextile or the waterproof membrane wrapped around the basin.

Size: 112 x 28 cm  
 Thickness: 3,8 cm  
 Weight: 2,1 kg

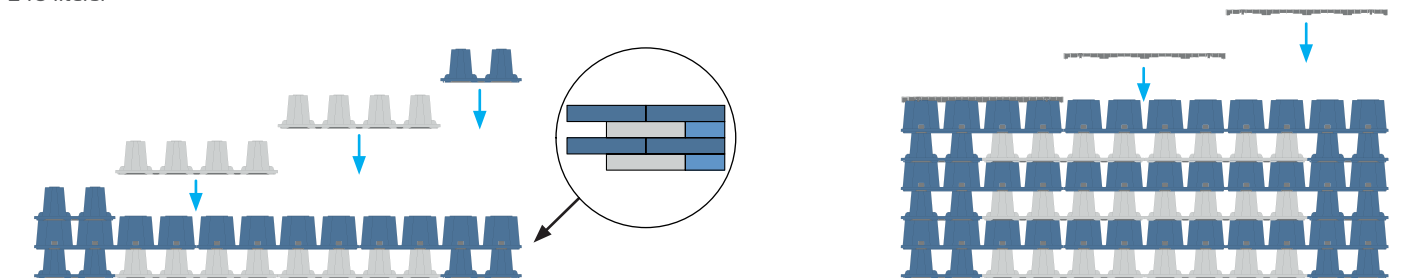
# DRAINPANEL

## TRANSPORT AND INSTALLATION

The volume of DRAINPANEL on 1 pallet (75 pcs.) occupies just 1/6<sup>th</sup> of the installed storage volume.

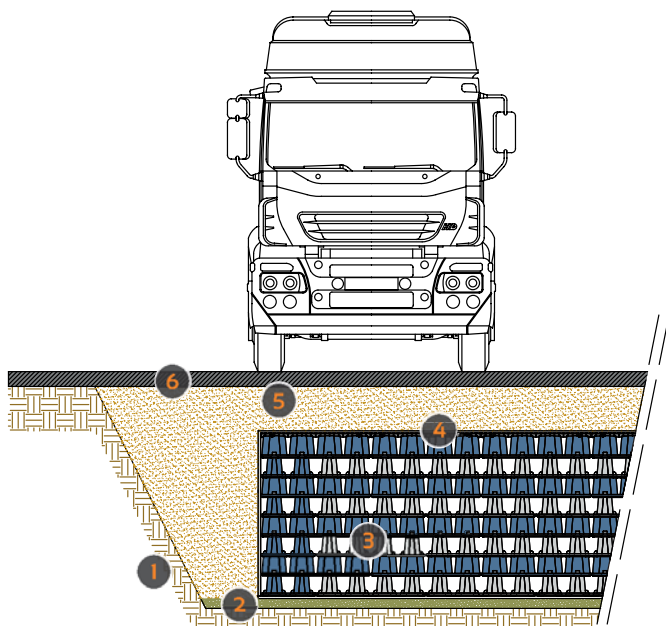


DRAINPANEL is stacked compactly during transport in order to reduce logistic costs. The Innovative engineered design creates a large water retention volume simply by stacking the elements in layers rotated alternately oriented by 90 degrees. Once installed, each element has a storage volume of 240 liters.



Installation of **DRAINPANEL** and **DRAINPANEL HALF** rotating each layer by 90° vs the row below.

The **DRAINPANEL GRID** is placed above the last layer of **DRAINPANEL** to close the top of the basin, ready to receive the geotextile or waterproof membrane which wraps the whole system.



### BUILD UP

- 1 – NATURAL SOIL
- 2 – BEDDING
- 3 – DRAINPANEL SYSTEM
- 4 – GEOTEXTILE OR MEMBRANE
- 5 – COVERING SOIL
- 6 – ROAD SUBSTRATE AND FINISHING

Please notice that all information contained in this document is for illustrative purpose only and does not indicate any appropriateness for use, and that it may be subject to revision or update.



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