

Technical data sheet DRAINPANEL

1. DESCRIPTION

Modular system with elevated resistance to create draining or accumulation tank.

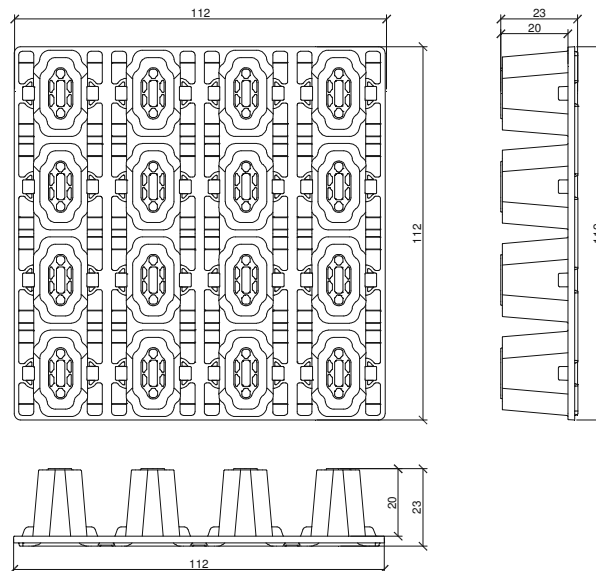


2. TECHNICAL SPECIFICATIONS

| | | |
|---|--------------------------------|------------------------------------|
| Material | - | Recycled polypropylene (PP) 97-99% |
| | - | Additives 1-3% |
| | - | Glass fibres |
| Percentage of recycled materials (ref.to plastic) | % | 100 |
| Colour | - | Black |
| Dimensions* | cm | 112 x 112 x H23 |
| Empty volume | m ³ /m ² | 0.23 |
| Percentage of empty volume | % | 96 |
| Breaking under vertical load 3 layers | kN/m ² | 496 |
| Breaking under vertical load 5 layers | kN/m ² | 293 |
| Breaking under vertical load 7 layers | kN/m ² | 261 |
| Breaking under vertical load 10 layers | kN/m ² | 212 |
| Breaking under lateral load | kN/m ² | 88 |
| Weight | kg | 13.50 (± 10%) |
| Place of production | - | Italy |

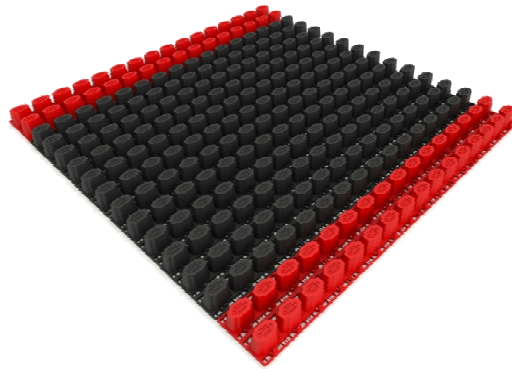
* in consideration of the recycled material, the measures should be evaluated with a tolerance of ± 1,5%

3. TECHNICAL DRAWINGS

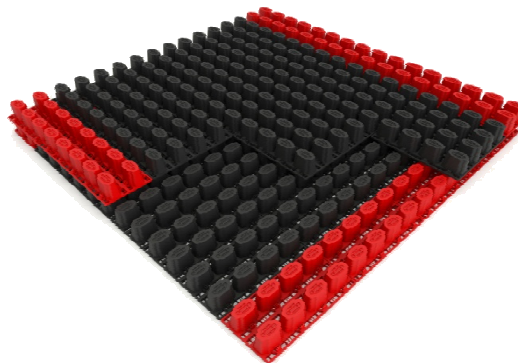


4. INSTALLATION METHOD

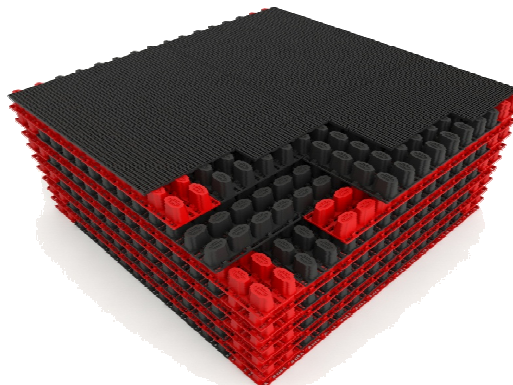
- 1- Install the first layer ensuring that all *Drainpanel* elements are oriented in the same way. Place two rows of *Drainpanel Half* (red elements in the figures below) along two opposite sides of the basin.



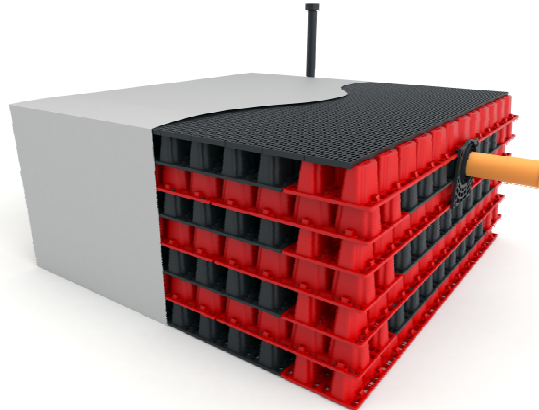
- 2- The elements of each subsequent layer must be rotated by 90° in respect to previous layer. Always place 2 rows *Drainpanel Half* along the two opposite sides of the basin.



- 3- Proceed as described until when the minimal design height is reached. Then close the last layer with *Drainpanel Grid*.

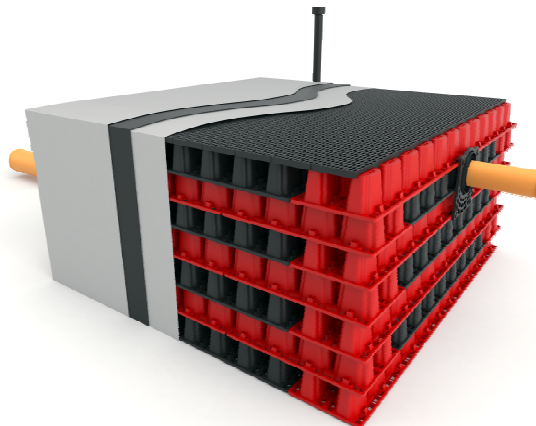


4a- The entire structure must be covered with a geo-textile. In the case, it is necessary to create a dispersant system, it is recommended to use a geo-textile that permits the passage of water. This is the last operation to carry out before the backfill.



4b- On the contrary, in the case it is necessary to create an accumulation or lamination basin, it is advisable to use the following geo-textile systems;

- First layer of geo-textile to cover the system.
- Waterproof geomembrane for water containment.
- Second layer of geo-textile for the protection of the geomembrane.



Afterwards, it is possible to proceed with the backfill.

5. PACKAGING AND TRANSPORT

| | | |
|--|----------------|-------------------------------------|
| Product code | - | EDREINP0112 |
| Packaging dim. | cm | 112 x 112 x H250 |
| Type of packaging | - | Stacked and wrapped on plastic film |
| Pcs per pallet | pz | 75 |
| Sqm per pallet | m ² | 94 |
| Package gross weight (pallet included) | kg | 1288 |

Technical data sheet DRAINPANEL HALF

1. DESCRIPTION

Element equal to half a panel for the creation of the structure.

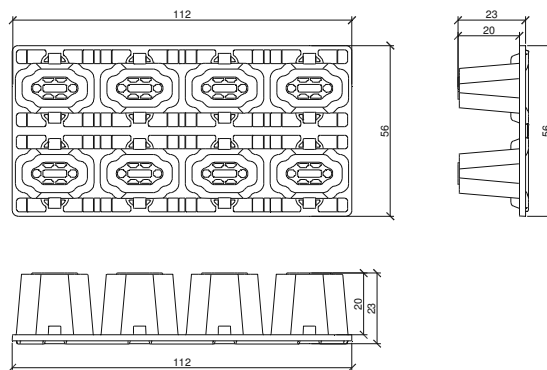


2. TECHNICAL SPECIFICATIONS

| | | |
|---|--------------------------------|------------------------------------|
| Material | - | Recycled polypropylene (PP) 97-99% |
| | - | Additives 1-3% |
| | - | Glass fibres |
| Percentage of recycled materials (ref.to plastic) | % | 100 |
| Colour | - | Black |
| Dimensions * | cm | 112 x 56 x H23 |
| Percentage of empty volume | m ³ /m ² | 0.08 |
| Breaking under vertical load 3 layers | kN/m ² | 496 |
| Breaking under vertical load 5 layers | kN/m ² | 293 |
| Breaking under vertical load 7 layers | kN/m ² | 261 |
| Breaking under vertical load 10 layers | kN/m ² | 212 |
| Breaking under lateral load | kN/m ² | 88 |
| Percentage of empty volume | % | 96 |
| Weight | kg | 6.75 (± 10%) |
| Place of production | - | Italy |

* in consideration of the recycled material, the measures should be evaluated with a tolerance of ± 1,5%

3. TECHNICAL DRAWINGS



4. PACKAGING AND TRANSPORT

| | | |
|--|----------------|-------------------------------------|
| Product code | - | EDREINP0056 |
| Packaging dim. | cm | 112 x 56 x H250 |
| Type of packaging | - | Stacked and wrapped on plastic film |
| Pcs per pallet | pz | 150 |
| Sqm per pallet | m ² | 94 |
| Package gross weight (pallet included) | kg | 1032 |

Technical data DRAINPANEL GRID

1. DESCRIPTION

Element for the upper closure of the structure, functional to the application of geotextile or geomembrane. It is fixed to the DRAINPANEL and DRAINPANEL HALF elements through a simple interlocking mechanism.



2. TECHNICAL SPECIFICATIONS

| | | |
|---|----|------------------------------------|
| Material | - | Recycled polypropylene (PP) 97-99% |
| | - | Additives 1-3% |
| | - | Glass fibres |
| Percentage of recycled material (ref. to plastic) | % | 100 |
| Colour | - | Black |
| Dimensions * | cm | 112 x 28 x H3.8 |
| Weight | kg | 2.04 (± 10%) |
| Place of production | - | Italy |

** in considerazione del materiale riciclato le misure devono essere considerate con una tolleranza del ± 1,5%*

3. PACKAGING AND TRANSPORT

| | | |
|--|----------------|-------------------------------------|
| Product code | - | EDREING0028 |
| Packaging dim. | cm | 112 x 56 x H250 |
| Type of packaging | - | Stacked and wrapped on plastic film |
| Pcs per pallet | pz | 240 |
| Sqm per pallet | m ² | 75 |
| Package gross weight (pallet included) | kg | 508 |