Temporary on-roof rainwater storage and rainwater management

Optimisation of accessible terrace roofs, technical roofs or rooftop gardens

High compressive strength

Quick and easy to lay

Cost-efficient solution to complement underground storage

Recyclable

www.nidaplast.com
Nidaroof®: a solution for rainwater management on terrace roofs

In urban environments, rainwater storage on the roof can provide a handy and cost-efficient alternative. Combined with rainwater inlets with limited flow, the nidaroof® product allows to temporarily store rainwater whilst maintaining full and complete use of the terrace roof.

Combined with green roofs, it stores the rainwater under the substrate and gradually returns it to the plants, thereby promoting green-up in spring and providing water during dry summer periods.

For roofs with pavers on studs, the nidaroof solution contains a non-woven facing that retains waste and filters the water that drains into the lower part. It allows to avoid the soaking of waste that may cause an olfactory nuisance in the stagnant water, as well as the proliferation of larvae, mosquitoes or insects.

In the event of accidental breakage of a prefabricated concrete paver, the nidaroof product safeguards watertightness.

Product properties*

- Extruded polypropylene honeycomb blocks and panels
- Maximum void ratio (95%)
- High compressive strength
- Non-woven on one or both sides
- Without chlorine or plasticisers
- Can be cut to size
- Recyclable plastic material

<table>
<thead>
<tr>
<th>Products</th>
<th>Nidaroof®40-1F</th>
<th>Nidaroof®60-1F</th>
<th>Nidaroof®100-2F</th>
<th>Nidaroof®520-2F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>2400 x 1200 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thickness</td>
<td>40 mm</td>
<td>60 mm</td>
<td>100 mm</td>
<td>520 mm</td>
</tr>
<tr>
<td>Cell size</td>
<td></td>
<td>50 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td></td>
<td>black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density of honeycomb</td>
<td>33 kg/m³</td>
<td>32 kg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight / m² of finished product</td>
<td>1.3 kg/m²</td>
<td>2.1 kg/m²</td>
<td>3.4 kg/m²</td>
<td>16.6 kg/m²</td>
</tr>
<tr>
<td>Non-woven</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side 1</td>
<td>PET 150 g/m²</td>
<td>PET 150 g/m²</td>
<td>PET 45 g/m²</td>
<td></td>
</tr>
<tr>
<td>Side 2</td>
<td>Ø</td>
<td>PET 25 g/m²</td>
<td>PET 45 g/m²</td>
<td></td>
</tr>
<tr>
<td>Compressive strength</td>
<td>&gt; 30 T/m² tare weight (ISO 844)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* For installation, please refer to laying instructions.

For installation, please refer to laying instructions.

---

With nidaroof®

Without nidaroof®

With nidaroof®

Without nidaroof®

---

Circulation of pedestrians on gravel or infertile areas
Accessible inspection hole with rainwater inlet with limited flow
Circulation of pedestrians on pavers on studs
Vegetated areas (traditional garden or rooftop garden)
Drainage area
Vehicle circulation area on reinforced concrete pavers