expanded polystyrene block for lightweight backfill

- very low density (15 and 19 kg/m³)
- large-size block
- ideal for high volumes
- can be cut in the factory
- resistant to chemical agents and mildew
Nidastyrène RA: a lightweight solution for lightweight backfill

The use of lightweight nidaplast® is a simple and cost-efficient alternative to the traditional ground reinforcement solutions to reduce or eliminate settlements of compressible supporting ground. This solution can reduce the vertical and horizontal forces exerted on an engineering structure or a building so as to reduce the cost of the structures onto which the backfill is applied.

There are many possible applications:
- **Road backfill on compressible or unstable ground**: bridge abutments, retaining walls, shoreline development, widening of carriageways, landslides etc.
- **Building backfill**: reducing loads on concrete pavers, lateral forces on the foundations, lightening of planters filled with earth.
- **Landscape backfill**: lightening of structured plantation works.

Nidastyrène RA is ideal as backfill material for road works. This technically sound and cost-efficient product meets the expectations related to the implementation of very high volumes of backfill.

Product properties*

- Expanded polystyrene blocks of very large dimensions
- 2 strength classes RA 70 – RA 100
- It is possible to combine several layers
- Quick to lay (easy to carry/cut)
- Attractive pricing
- Blocks can be stabilised for road application

<table>
<thead>
<tr>
<th>Products</th>
<th>Nidastyrène RA</th>
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</thead>
<tbody>
<tr>
<td>Blocks cut in the factory</td>
<td>RA 70</td>
</tr>
<tr>
<td>Length</td>
<td>3000 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1200 mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>100 / 200 / 300 / 600 mm</td>
</tr>
<tr>
<td>Dry mass density</td>
<td>15 kg/m³</td>
</tr>
<tr>
<td>Material</td>
<td>Expanded polystyrene</td>
</tr>
<tr>
<td>Compressive strength at 10%</td>
<td>70 kPa</td>
</tr>
</tbody>
</table>

*For installation, please refer to the general laying instructions and the SETRA technical guide for the use of extruded polystyrene in road construction

** refer to dimensions sheet

Available accessories

**Connectors**

Fixing system for polystyrene blocks
Dimensions: 78 x 78 mm
Thickness: 30 mm

**Nidaplast® RA**

Extruded polypropylene honeycomb blocks for lightweight backfill.