Material
Geoflex is a co-extrusion profile made out of PVC, the core is from 100% recycled PVC and the outer layer is made out of 100% virgin PVC.

- Weather/UV resistant
- Resistant to rodents
- Environmental save
- Easy to install
- Corrosion resistant
- Cost effective

Applications
Geoflex can be used as an alternative for tropical hardwood or impregnated wood for the following applications:

- Shore protection
- Quay wall
- Cut-off wall
- Soil retaining wall
- Fish ladder
- Marinas

Physical properties

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Unit</th>
<th>Standard</th>
<th>210-C</th>
<th>210-SP</th>
<th>420-SP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>PVC</td>
<td>PVC</td>
<td>PVC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight sheet</td>
<td>kg/m²</td>
<td>3,4</td>
<td>11,2</td>
<td>21,2</td>
<td></td>
</tr>
<tr>
<td>Weight wall</td>
<td>kg/m²</td>
<td>300</td>
<td>250</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>Width sheet</td>
<td>b</td>
<td>300</td>
<td>250</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>Depth of cross section</td>
<td>H</td>
<td>95</td>
<td>192</td>
<td>210</td>
<td></td>
</tr>
<tr>
<td>Wall thickness</td>
<td>d</td>
<td>6,0</td>
<td>6,0</td>
<td>8,0</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical properties

- Density PVC material: gr/cm³
  - EN ISO 527: 1,4
  - 210-C: 1,4
  - 210-SP: 1,4

- Tensile strength: mPa
  - EN ISO 527: 48,0
  - 210-C: 48,0
  - 210-SP: 48,0

- Tensile elongation at F_max: \% 4,5

- Flexural strength: mPa
  - EN ISO 178: 68,0
  - 210-C: 68,0
  - 210-SP: 68,0

- Flexural modulus: E mPa
  - EN ISO 178: 2.350
  - 210-C: 2.350
  - 210-SP: 2.350

- Shore hardness: °Shore
  - ASTM D2240: 79,0
  - 210-C: 79,0
  - 210-SP: 79,0

- Moment of inertia: I 10⁶ mm²/m
  - 210-C: 570
  - 210-SP: 5,000
  - 420-SP: 10,320

- Moment of resistance: W 10² mm²/m
  - 210-C: 116
  - 210-SP: 498
  - 420-SP: 926

- Maximum moment: M kNm/m
  - 210-C: 7,88
  - 210-SP: 33,86
  - 420-SP: 62,97

- Impact strength*: NEN EN 477
  - 210-C: no break
  - 210-SP: no break
  - 420-SP: no break

Note: All mechanical and physical properties are initial average values, standard variations in strength and physical properties of 10% have to be allowed for.

All information, illustrations and specifications are based on the latest product information available at the time of editing. The right is reserved to make changes at any time without notice.