RS MaxPatch®
Point Repair System for pipe rehabilitation up to DN 500

Fields of Application
- Sewer gravity systems and drain lines

Dimension
- Ø 100 mm to 500 mm (4” to 20”)

Resin
- Two or more components silicate-isocyanate-resin system

Support material
- Advantex® glass fiber matt in ECR - quality

Equipment
- Rehabilitation with an expanding packer

- Point- repair system technique without digging and costly set-up for Ø 100mm to 500mm (4” to 20”)
- For elimination of leaks in ex- and infiltration
**MaxPatch® reaction data (typical values)**

<table>
<thead>
<tr>
<th>material data</th>
<th>Comp. A</th>
<th>Comp. B</th>
<th>Comp. C</th>
<th>Norm</th>
</tr>
</thead>
<tbody>
<tr>
<td>density at 25°C (kg/m³)</td>
<td>1490 ± 50</td>
<td>1130 ± 40</td>
<td>1120 ± 40</td>
<td>DIN 12791</td>
</tr>
<tr>
<td>colour</td>
<td>colourless</td>
<td>dark brown</td>
<td>light brown</td>
<td></td>
</tr>
<tr>
<td>pH value</td>
<td>12 - 13</td>
<td>n.a.</td>
<td>12 - 13</td>
<td>DIN 19268</td>
</tr>
<tr>
<td>flash point (°C)</td>
<td>none</td>
<td>&gt; 200</td>
<td>100</td>
<td>DIN 53213</td>
</tr>
<tr>
<td>viscosity at 25°C (mPas)</td>
<td>270 ± 140</td>
<td>150 ± 100</td>
<td>40 ± 10</td>
<td>ISO 3219</td>
</tr>
</tbody>
</table>

**Application areas**

Non-foaming, elasticized three-component resin with good adhesion even on moist surfaces for the bonding of partial liners (short liners) during sewer rehabilitation.

- Soaks glass fibre mats (Advantex®) or polyester fleece very well
- Adhesion to moist surfaces
- No foaming, even with water
- Cures well in thin layers
- Has high resistance to aggressive water, acids as well as alkaline brines
- Does not saponify

**Characteristics**

- Quick installation: cycle time approx. 60 min
- No odor nuisance
- High strength
- Very good chemical resistance
- Cost-effective repair process

**Technical data**

- Suitable for restoration of the carrying capacity of damaged pipelines
- RS MaxPatch® system components:
  - RS MaxPatch® three components silicate-isocyanate-resin system or
  - RS MaxPatch® two components resin „winter“ / „summer“
  - Advantex® glass (bidirectional glass complex 1086 g/m² and 1387 g/m²)
  - Equipment includes a packer and accessories
- DIßt approval no. Z-42.3-430 and RAL 15.1