**MasterRoc MP 752**

Highly reactive, two component polyurethane injection resin for strata consolidation.

**Product description**
MasterRoc MP 752 is a two component, solvent-free polyurethane injection resin specifically designed for rapid stabilization of strata where high compressive and bonding strength is needed.

**Fields of application**
- Consolidation of fractured rock in underground structures
- Consolidation of broken coal in development roadways and longwalls
- Sealing against gas and water

**Features and benefits**
- Fast reacting material applied where structural strength and flexibility is required.
- Reacts and expands in volume up to 5 times without water contact.
- Penetrates cracks wider than 0.14 mm.
- When in contact with water, the foam factor may increase to about 8.
- Low sensitivity to water.
- Almost no increase of reaction temperature on contact with water.

**Packaging**
- Part A: 25 kg cans
- Part B: 29 kg cans

**Technical data**

<table>
<thead>
<tr>
<th></th>
<th>Color</th>
<th>Viscosity mPa·s</th>
<th>Density kg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part A</td>
<td>Yellow</td>
<td>200-300</td>
<td>1.03</td>
</tr>
<tr>
<td>Part B</td>
<td>Dark brown</td>
<td>300-400</td>
<td>1.25</td>
</tr>
</tbody>
</table>

Lab test at 20 °C
Flash point: Part A & B separately: > 200°C
Mixing ratio Part A to Part B: 1 to 1 by volume

<table>
<thead>
<tr>
<th>Reaction characteristics</th>
<th></th>
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<tbody>
<tr>
<td>Testing temp.</td>
<td>20°C</td>
</tr>
<tr>
<td>Start of foaming</td>
<td>180s ± 15s</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>End of foaming</td>
</tr>
<tr>
<td>240s ± 15s</td>
</tr>
<tr>
<td>Foam expansion factor</td>
</tr>
<tr>
<td>ca. 5</td>
</tr>
<tr>
<td>Compressive strength (24 h)</td>
</tr>
<tr>
<td>&gt; 5 MPa</td>
</tr>
</tbody>
</table>

**Application procedure**
Part A and B are delivered ready to use. They are injected in the proportion of 1:1 by volume using a two component injection pump equipped with a static in-line mixer nozzle, as shown below.

Please note: The foaming reaction time is dependent on the temperature of the product, and the ground. Please store both components prior to application at a minimum temperature of 15°C.

Note: MasterRoc MP 752 is not suitable for large volume void filling.

**Cleaning of injection equipment**
For short breaks in the injection procedure, pump Part A through the in-line static mixer nozzle.
After finishing the injection, pump an appropriate agent or oil which does not contain water through the pump and injection lines.

**Storage**
If stored in dry conditions in unopened, tightly closed original containers and within a temperature range of +5°C and +35°C, the
MasterRoc MP 752

components of MasterRoc MP 752 have a shelf life of 12 months.

Safety precautions
Avoid contact with skin and eyes by using the required personal protective equipment, such as overalls, gloves and safety glasses. If contact with skin occurs, wash thoroughly using soap and water. If contact with eyes occurs, rinse thoroughly with an eyewash filled with boracic solution and seek medical advice. Refer to the Material Safety Data Sheet for safety measures. The products are harmless.

Uncured products should be prevented from entering local drainage systems and water courses. Spillage must be collected using absorbent materials such as sawdust and sand, and disposed of in accordance with local regulations.

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

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