

MasterRoc[®] MP 355 MR0

Formerly MEYCO MP 355 A3 MR0

Slowly reacting, two component polyurethane injection resin for ground consolidation with long injection lines

Product description

MasterRoc MP 355 MR0 is a two component, solvent-free polyurethane injection resin specifically designed for ground consolidation with long injection lines.

Fields of application

- Stabilization of fractured rock, sands and gravels

Features and benefits

- Slowly reacting material where structural strength or rigidity is required.
- The slow reaction allows penetration of cracks and fissures as fine as 0.05 mm.
- When in contact with water, the product forms rigid foam.
- Without the presence of water, the product also reacts and forms a stiff, rubber-like material. This is a significant safety advantage as the material is always cured.
- Excellent adhesive strength on many substrates.

Packaging

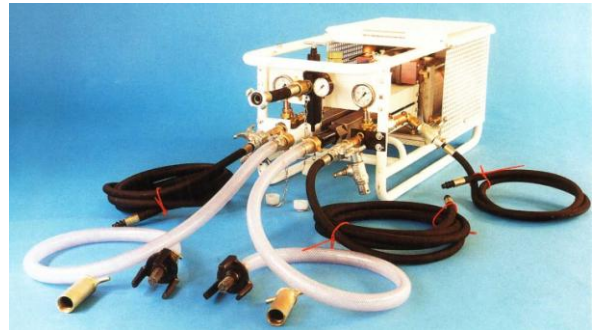
Part A: 25kg cans and 200kg drums
 Part B: 30kg cans and 240kg drums

Technical data

Physical Properties (20°C)	Color	Viscosity mPa.s	Density kg/l
Part A	Yellowish	320	1.00
Part B	Dark brown	240	1.24
Reactivity	At 15°C	At 23°C	At 30°C
Start of reaction	10 min	5 min	3 min
Fully cured	36 h	18 h	9 h

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 and curing reaction time is dependent on the temperature of the PU resin, and the ground water.

Note: MasterRoc MP 355 MR0 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 components of MasterRoc MP 355 MR0 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.



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with an eyebath filled with boric acid 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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