

MasterRoc[®] MP 355 FS

Highly reactive, two component polyurethane injection foam for foundation stabilization and ground consolidation

Material Description

MasterRoc MP 355 FS is a two component, solvent-free polyurethane injection resin specifically designed for foundation stabilization and ground consolidation.

Areas of Application

- Foundation stabilization
- Ground consolidation
- Consolidation of fractured rocks, and coarse soils
- Filling of small cavities

Characteristics and Benefits

- Fully foaming and reacting resin, specifically recommended for structural strength and rigidity
- The product forms a closed cell and rigid foam, without depending of water presence
- The foam expansion factor liberates enough pressure to compress and compact soft soils and stabilize foundation, depending of the injected volume

Packaging

MasterRoc MP 355 FS Part A 205 kg drums
MasterRoc MP 355 FS Part B 250 kg drums

Technical Data

At 20°C	Color	Viscosity mPa.s	Density kg/l
Part A	Yellowish	320	1.00
Part B	Dark brown	300	1.24

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, or with a high turbulence mixing head, especially if the product is pre-heated more than 30 °C.



example of a two-component injection pump

Please note: The foaming reaction time is dependent on the temperature of the product, and the soil.

Note: MasterRoc MP 355 FS 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 the injection process pump an appropriate cleaning and maintenance agent (MasterRoc MP 230 CLN) or oil containing no water, through the pump and injection hoses until MasterRoc MP 355 FS is completely washed out. Store the pump and hoses with the cleaning agent inside and seal all openings.

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 have a shelf life of 24 months.

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 eyebath filled with boracic solution and seek medical advice. Refer to the Safety Data Sheet for safety measures. The cured product is harmless and inert.

Uncured products should be prevented from entering local drainage systems and water courses. Spillage must be collected

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using absorbent materials such as sawdust and sand and disposed of in accordance with local regulations.

Disclaimer

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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