BASF
We create chemistry

Version 4.0

MasterRoc® MP 355 1K

One component polyurethane injection foam to stop small to mid-volume water ingress

Product description

MasterRoc MP 355 1K is a solvent free, one component polyurethane foam which reacts only in contact with humidity or water.

Fields of application

- Stopping of small to mid-volume water ingress in underground structures
- Also suitable for filling of water bearing voids

Features and benefits

- Reacts in moist surroundings
- Good bonding to wet surfaces

Packaging

MasterRoc MP 355 1K: 25 kg cans
Accelerator for MasterRoc MP 355 1K: 2.5 kg cans

Technical data

MasterRoc MP 355 1K

Density, 20°C	1.00 g/cm^3
Viscosity, 23°C	320 mPa.s
Color	Brown
Application temperature	+ 5°C to 40°C
Maximum foam expansion rate at 10% accelerator dosage	25-30

Accelerator for MasterRoc MP 355 1K

Density, 20°C	1.00 g/cm^3
Viscosity, 23°C	340 mPa.s
Color	Clear to yellowish

Application procedure

1. Add the accelerator to MasterRoc MP 355 1K (up to 10%, depending on the required reaction time), mix quickly and thoroughly.
2. Inject the mixture through a single component injection pump. The moisture / water in the ground will generate a foaming reaction. In the case of dry ground, flush the borehole with water before injecting.

Reaction Time

The reaction time depends on the ground and product temperature, as well as the accelerator dosage (see Table 1). Site trials should be performed in advance to establish the required reaction time.

Table 1:

Reaction Times with 10% water and 10% accelerator				
Initial Temperature (°C)	5	10	15	20
Start of reaction (sec)	120	60	25	10
End of reaction (sec)	300	200	110	50
Foam expansion rate (approximately)	25	25	25	30

Cleaning of injection equipment

During short breaks in the injection procedure, the pump and hoses should be filled with non-accelerated resin to avoid blockages. 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 1K is completely washed out. Store the pump and hoses with the cleaning agent inside and seal all openings.

Storage

MasterRoc MP 355 1K must be stored in airtight containers in a cool, dry place. If stored in original containers under the above mentioned conditions, it has a shelf life of 24 months. The product must be prevented from freezing.

MASTER® BUILDERS SOLUTIONS

For Supplies please contact:
Bils Innovations (India) Pvt. Ltd.
Delhi, India
+91-11 42175807, +91 9582307311
Online Shop @ www.bilsinnovations.com

MasterRoc® MP 355 1K

Safety precautions

MasterRoc MP 355 1K is not hazardous. However follow standard safety procedures when handling the product and wear gloves and safety glasses.

Avoid eye and skin contact. If skin contact occurs, wash with plenty of water and soap. In case of eye contact rinse with plenty of water and seek medical advice. For further information refer to Material Safety Data Sheet.

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.

Headquarters:

BASF SE
Underground Construction
Salzachstr. 2-12
68199 Mannheim
Germany

Phone: +49 621 60 91013

For more information: Visit us: www.master-builders-solutions.basf.com