MasterRoc® MP 355 1K DW

One component injection foam to stop small to mid-volume water ingress, with a potable water certificate

DESCRIPTION

MasterRoc MP 355 1K DW is a solvent free, single component polyurethane foam which reacts only in contact with humidity or water, and is certified for contact with potable water (DW: Drinking 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
- Forms a flexible foam

PACKAGING

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

TECHNICAL DATA*

MasterRoc MP 355 1K DW

Density, 20°C	1.16 g/cm^3
Viscosity, 23°C	700 mPa.s
Color	Yellowish
Application temperature	+ 5°C to 40°C
Maximum foam expansion rate at 10% accelerator dosage	20-30

Accelerator for MasterRoc MP 355 1K DW

Density, 20°C	1.10 g/cm^3
Viscosity, 23°C	70 mPa.s
Color	Clear to yellowish

APPLICATION PROCEDURE

1. Add the accelerator to **MasterRoc MP 355 1K DW** (up to 10%, depending on the required reaction time), mix quickly and thoroughly.
2. Inject this 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)	130	65	30	15
End of reaction (sec)	350	250	120	60
Foam expansion rate (approximately)	20	25	25	30

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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 finishing the injection, pump an appropriate agent or oil which does not contain water through the pump and injection lines.

STORAGE

MasterRoc MP 355 1K DW 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.

* Properties listed are based on laboratory controlled tests.

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Master Builders Solutions Construction Chemicals UAE LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800 Fax: +971 4 8851002
www.master-builders-solutions.ae