

# MasterRoc® MP 355 1K (Formerly known as Meyco® MP 355 1K)

## One Component Polyurethane Injection Foam to Stop Small to Mid-Volume Water Ingress

### DESCRIPTION OF PRODUCT

**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

#### Accelerator for MasterRoc® MP 355 1K

Density, 20°C 1.10 g/cm<sup>3</sup>  
Viscosity, 23°C 70 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	25

### TECHNICAL DATA

Density, 20°C	1.16 g/cm <sup>3</sup>
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

### PACKAGING

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

### CLEANING OF INJECTION EQUIPMENT

During short breaks in the injection procedure, the pump and hoses should be filled with nonaccelerated 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** 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 12 months. The product must be prevented from freezing.

### 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.

### DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

# MasterRoc<sup>®</sup> MP 355 1K (Formerly known as Meyco<sup>®</sup> MP 355 1K)

One Component Polyurethane Injection Foam to Stop Small to Mid-Volume Water Ingress

## CONTACT INFORMATION

**Master Builders Solutions Yapı Kimyasalları**

**Sanayi ve Ticaret Ltd. Şti.**

Adres: Barbaros Mah. Begonya Sok.

Nidakule Kuzey Ataşehir, C Kapısı

No:3 E/5, 34746 Ataşehir İstanbul / Türkiye

Tel: 0216 217 88 00

Mail: [mbs.tr@mbcc-group.com](mailto:mbs.tr@mbcc-group.com)

Web: [www.master-builders-solutions.com/tr-tr](http://www.master-builders-solutions.com/tr-tr)

® Registered trademark of a MBCC Group member in many countries of the world

**MasterRoc<sup>®</sup> MP 355 1K** Technical Data Sheet -Revision  
Date: 12/2020