

MasterRoc MP 350

One component water sealing injection resin for cracks and fissures in concrete and rock

Material Description

MasterRoc MP 350 is a single component hydrophilic polyurethane based injection resin which forms a permanent, impermeable and flexible sealing material on contact with water.

Areas of Application

- Permanent crack sealing of underground structures
- Sealing of minor water ingress
- Upgrading of temporary water sealing to permanent solution
- For use with MasterFlex 900 injection hoses

Characteristics & Benefits

- Permanent sealing effect.
- Forms a closed cellular material giving an impermeable, high resilience seal against water ingress.
- Reacts in moist and wet surroundings.
- Good bonding to wet surfaces.
- Foams upon contact with water.
- Penetration of fissures smaller than 0.05 mm.

MasterRoc MP 350 can be injected as a simple resin, but also has a faster reaction option for flowing water by adding a small quantity of the MasterRoc MP 350 Accelerator.

Technical Data

Density, 20°C	1.15 g/cm ³
Viscosity, 23°C	250 mPa.s
Color	Colorless to yellowish
Application temperature	+ 5°C to 40°C

Application

Wet/flowing water conditions:

1. If required, add MasterRoc MP 350 Accelerator to **MasterRoc MP 350** (up to 10%, depending on the required reaction time) and mix quickly and thoroughly.

2. Inject this mixture through a single component injection pump. The moisture / water from the ground or structure will cause the foaming and curing reaction.

Dry conditions:

1. For injection purposes, flush holes with water to thoroughly wet the injection area.
2. Inject **MasterRoc MP 350** through a single component injection pump.
3. If a faster reaction is required, add the optional MasterRoc MP 350 Accelerator as described above.

Reaction Time

The reaction time depends on the temperature of the product and the ground. As indicated in Table 1, the reaction times at different temperatures have been measured in the laboratory. Site trials should therefore be performed in advance.

Table 1: Reaction time with 10% MasterRoc MP 350 Accelerator + 10% water

Initial Temperature °C	5	10	15	20
Start of foaming (sec)	98	63	41	30
End of foaming (sec)	145	128	109	88
Foam factor	6	7	8	8

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.

MasterRoc MP 350

One component water sealing injection resin for cracks and fissures in concrete and rock

Packaging

Injection resin:
 MasterRoc MP 350: 25 kg cans

Optional accelerator:
 MasterRoc MP 350 Accelerator: 2.5 kg cans

Storage & Shelf Life

MasterRoc MP 350 must be stored in airtight containers in a cool, dry place. If stored in tightly closed original containers under the above mentioned conditions it has a shelf life of 24 months. The product must be prevented from freezing.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

Disclaimer

MasterRoc-MP350-ANZ-V4-0723

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MB Solutions Australia Pty Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MB Solutions Australia Pty Ltd either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MB Solutions Australia Pty Ltd, are responsible for carrying out procedures appropriate to a specific application.

MB Solutions Australia Pty Ltd

ABN 69 634 934 419
 11 Stanton Road
 Seven Hills NSW 2147

Freecall: 1300 227 300

www.master-builders-solutions.com/en-au

MB Solutions New Zealand Ltd

45C William Pickering Drive
 Albany, Auckland
 New Zealand

Phone: +64 9 414 7233

Emergency Advice:

1300 954 583 within Australia (24hr)
 0800 001 607 within New Zealand

