

# MEYCO<sup>®</sup> MP 355 1K DW

**Watertight injection foam for filling voids in concrete and jointed rock, suitable for cutting off leaking potable water**

## Product description

MEYCO<sup>®</sup> MP 355 1K DW is a solvent free, single component polyurethane, white foam certified for contact with potable water (DW stands for Drinking Water).

## Fields of application

MEYCO<sup>®</sup> MP 355 1K DW is recommended for:

- Pre injection of concrete and jointed rock
- Stabilisation of concrete and jointed rock
- Sealing off flowing / leaking water
- Stabilisation of coarse sand and gravel
- Filling of water bearing voids

## Features and benefits

MEYCO<sup>®</sup> MP 355 1K DW is a solvent free, injection and void filling material based on polyurethane. The product reacts particularly well under wet conditions.

- Reacts in moist surroundings
- Good bonding to wet surfaces
- Sealing off running water

## Packaging

MEYCO<sup>®</sup> MP 355 1K DW: 4.55 kg cans

Accelerator for MEYCO<sup>®</sup> MP 355 1K : 4.55 kg cans

## \*Technical data

Density, 20°C	1.16 g/cm <sup>3</sup>
Viscosity, 23°C	700 mPas
Flash point	>130°C
Odour	Slightly aromatic
Colour	Yellowish
Application temperature	+ 5°C to 40°C
Foam expansion at 23°C at 10% accelerator dosage	Free foam 1:20-30

## Application procedure

Wet conditions:

1. Add the accelerator to MEYCO<sup>®</sup> MP 355 1K DW (between 2-10%, 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 or structure will cause the foaming reaction.

Dry conditions:

1. For injection purposes, flush holes with water to thoroughly wet the injection area.
2. Add accelerator to MEYCO<sup>®</sup> MP 355 1K DW (between 2-10% depending on the required reaction time), mix quickly and thoroughly.
3. Inject this mix through a single component injection pump.

**Note:** After injection work has been finished, it is recommended to pump some flushing oil through the pump. In this way the pump stays clean until the next use. Failure to do so may lead to pump and line blockage due to the reaction between the remaining resin and air humidity.

**Caution:** Pumping MEYCO<sup>®</sup> MP 355 1K DW without accelerator through the pump after injection is not advisable.

## Reaction Time

The reaction time depends not only on the temperature in the substrate, but also on the temperature of the product itself. The examples of reaction times with different accelerator

# MEYCO<sup>®</sup> MP 355 1K DW

dosages (see Table 1) have been measured in the laboratory. It is normal to establish the required reaction time on site. Therefore site trials should be performed initially.

**Table 1:**

<b>Reaction Times with 10% water and 10% accelerator</b>				
Initial Temperature °C	5	10	15	20
Start of reaction (sec)	130	65	30	15
End of reaction (sec)	350	250	120	60
Foam factor	ca 20	ca 25	ca 25	ca 30

## Storage

MEYCO<sup>®</sup> MP 355 1K DW must be stored in airtight containers in a cool, dry place. If stored in tightly closed original containers under the above mentioned conditions the shelf life of MEYCO<sup>®</sup> MP 355 1K DW is 12 months. MEYCO<sup>®</sup> MP 355 1K DW must be protected from freezing.

## Safety precautions

MEYCO<sup>®</sup> MP 355 1K DW is physiologically not hazardous once reacted. However follow standard safety procedure when handling the product and wear gloves and face / eye protection.

Avoid eye and skin contact 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.

Non reacted material should only be disposed to special designated sites. It is better to let the product react with water to form foam and afterwards dispose to landfill sites.

05/2009 BASF\_CC-UAE revised 05/2010

[www.meyco.basf.com](http://www.meyco.basf.com)

\* Properties listed are based on laboratory controlled tests.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

**As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.**