MasterInject 1335

Single component polyurethane injection foam for filling voids, joints and cracks to stop water leakage

MATERIAL DESCRIPTION

MasterInject 1335 is solvent free, single component polyurethane foam.

TYPICAL APPLICATIONS

MasterInject 1335 is recommended for:

- Pre injection of cracks and joints in concrete.
- Sealing of flowing / leaking water through voids cracks and joints in concrete structures.
- Filling of water bearing voids.

ADVANTAGES

MasterInject 1335 is a solvent free, injection and filling material based on Polyurethane resins. The product reacts particularly well under wet conditions.

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

PACKAGING - 1 LITRE KIT

1.055kg Base resin
0.105kg Accelerator (equates to 10% which is the maximum recommended)

Note: Accelerator dosage can be varied to suite site conditions

TYPICAL PROPERTIES*

Density, 20°C	1.16 g/cm^3
Viscosity, 25°C	700-900 CPS
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 (Maximum)	Free foam 1:20-30

APPLICATION GUIDELINES

Wet Conditions:

- Add the accelerator to **MasterInject 1335** (between 2-10%, depending on the required reaction time), mix quickly and thoroughly.
- Inject this mixture through a single component injection pump. The moisture / water in the ground or structure will cause the foaming reaction.

Dry Conditions:

- For injection purposes, flush the cracks with water to thoroughly wet the injection area.
- Add accelerator to **MasterInject 1335** (between 2-10% depending on the required reaction time), mix quickly and thoroughly.
- Inject this mix through a single component injection pump.

Note:

The **MasterInject 1335** injection should be followed by injection of **MasterInject 1320** to achieve a more durable seal. After injection work has been completed, empty pump of any remaining material and thoroughly flush with a high aromatic solvent (Xylene). It is then recommended to pump some Flushing oil / Hydraulic 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.

REACTION TIME

The reaction time is dependent on substrate and material temperature.

The examples of reaction times with the maximum accelerator dosage (see Table 1) have been measured in the laboratory. However, it is advisable to check the required reaction time on site. Site trials should always be performed prior to commencing the works.

Table 1: Reaction times with 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 factor Approximate Free foam	20	25	25	30

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STORAGE AND SHELF LIFE

MasterInject 1335 must be stored in airtight containers in a cool, dry place. If stored in tightly closed original containers under the abovementioned conditions the shelf life of **MasterInject 1335** is 12 months. The resin components must be protected from freezing.

HEALTH AND SAFETY

MasterInject 1335 is physiologically non-hazardous once cured. However, follow standard Health & Safety Procedures when handling the product and wear gloves and face / eye protection. For further information refer to Material Safety Data Sheet.

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.

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

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed.
For additional information or questions, please contact your local representative.

NOTE

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* Properties listed are based on laboratory controlled tests.

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