



MEGA INJECT PU 508

SINGLE COMPONENT HIGH PERFORMANCE
POLYURETHANE INJECTABLE GROUT

PRODUCT DESCRIPTION

Mega Inject PU-508 is a single-component polyurethane foam that is solvent-free and certified for contact with potable water. This injection foam is designed to fill voids, joints, and cracks, effectively preventing water leakage in various applications.

USES

Mega Inject PU-508 is highly recommended for several purposes, including pre-injection of cracks and joints in concrete, sealing flowing or leaking water through voids, cracks, and joints in concrete structures, as well as filling water-bearing voids.

FEATURES & BENEFITS:

This solvent-free injection and filling material, Mega Inject PU-508, is based on Polyurethane resins and exhibits excellent reactivity under wet conditions. Its key features and benefits include reacting in moist surroundings, forming a strong bond with wet surfaces, and effectively stopping running water.



Application Procedure:

In wet conditions, use a single-component injection pump to inject Mega Inject PU-508. The foaming reaction is triggered by the moisture or water in the ground or structure.

In dry conditions, prepare the injection area by flushing the cracks with water to ensure thorough wetting. Subsequently, use a single-component injection pump to inject Mega Inject PU-508.

Note:

Upon completing the injection work, empty the pump of any remaining material and thoroughly flush it with a high aromatic solvent (Xylene). It is advisable to pump some Flushing oil or Hydraulic oil through the pump to keep it clean until the next use. Failure to do so may result in pump and line blockage due to the reaction between the remaining resin and air humidity.

Reaction Time

The reaction time is dependent on substrate, amount of moisture/ water and material temperature. The examples of reaction times with 10% water/ moisture. However, it is advisable to check the required reaction time on site.

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

Site trials should always be performed prior to commencing the works.

Table 1: Reaction times with 10% water/ moisture present in the substrate

TECHNICAL DATA

Property	Value
Density, 20°C	1.16 g/cm
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



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Clean Up

Polyurethane materials are difficult to remove when set. Clean tools and equipment before the material.

Value Base

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the product uses.

Health and Safety Information

Mega Inject PU-508 is physiologically non hazardous once cured. However, follow standard Health & Safety Procedures when handling the product and wear gloves and face / eye protection. 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.

Legal Notes

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MEGA INJECT PU 508

**SINGLE COMPONENT HIGH PERFORMANCE
CEMENTITIOUS INJECTABLE GROUT**

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