



PUR 1 POLYUREA GROUTING FLUID Type 1

For grouting crack greater than 0.2 mm

SINGLE-COMPONENT POLYURETHANE INJECTION GROUT(STANDARD TYPE JL0007-1)

Single-component polyurethane grout (standard type JL0007-1) is a high-performance, high polymer single-liquid leak sealing and injection material. It is formulated using environmentally friendly standards and polyurethane emulsion as the base material, processed through scientific methods. This grout exhibits high solid content, no shrinkage, and hydrophilic properties, which provide better leak sealing performance compared to conventional products. Additionally, it has high tensile strength and elongation, making it suitable for addressing water seepage and re-leakage in concrete structures, particularly for damp cracks larger than 0.2 mm. It is an ideal new type of grout for leaks.

FEATURES

- It can fully cure underwater and has good adhesion to wet surfaces and concrete.
- It forms a dense internal structure, providing excellent waterproofing.
- The curing process is not sensitive to temperature and can be achieved in both high and low temperatures.
- It has a certain level of strength and elasticity, allowing for reinforcement.
- Being a single-component product, it is easy and convenient to use without the need for mixing.
- It is resistant to water, acids, and alkalis, as well as high and low temperatures.
- It is environmentally friendly and non-toxic, posing no harm to human health.

PHYSICAL PROPERTIES

ITEM	SPECIFICATIONS
Solid content /%	≥ 92
Surface drying time /h	≤ 2
Curing time /h	≤ 5
Tensile strength /MPa	≥ 1.5
Elongation at break /%	≥ 450
Bond strength /MPa	≥ 1
Hardness (Shore A)	≥ 30
Low-temperature flexural properties /°C	-40
Water impermeability /0.3 MPa for 120 min	impermeable to water
Density /g/cm ³	1.35



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CONSTRUCTION PROCESS

1. Thoroughly clean the crack area and remove any debris or loose materials, ensuring that the gap is clean and free from foreign objects and dust.
2. Install the pre-embedded grouting nozzles, spacing them at intervals of 10-15 cm. At the intersections of cracks, add an additional grouting nozzle at a 45° angle.
3. Inject the grout from the bottom up, applying pressure for 2-3 seconds after each grouting nozzle is filled.

Note:

Ensure that the crack is fully filled with grout. If any areas are not properly filled, additional grout injection is required.

APPLICATION

Suitable for residential construction, civil engineering projects, underground projects, subway, tunnels, pipe corridors, and all concrete structural crack sealing and leak blocking.

PACKAGING SPECIFICATIONS

Net content of 10 litres per barrel

STORAGE SHELF LIFE

9 months (when stored in a dry and ventilated place)

Disclaimer:

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