

DEFINITION

PHUREX INJECTION 1K is a ready-to-use, single-component polyurethane-based injection resin with an integrated catalyst/accelerator system. Thanks to its low viscosity, it penetrates quickly and deeply into fine cracks, joints, voids, and capillary channels in concrete, stone, brick, and similar mineral-based building materials. Since the product does not require any additional mixing of components or the addition of a catalyst during application, it can be applied directly with a single-component injection pump.

TECHNICAL SPECIFICATIONS

- It is a single-component, ready-to-use product.
- Since the catalyst/accelerator system is integrated into the product itself, there is no need to mix in additional catalysts.
- Thanks to its low viscosity, it easily penetrates fine cracks, capillary spaces, and hard-to-reach areas.

TYPICAL APPLICATIONS

- Repairing water leaks in concrete, stone, brick and similar mineral-based building materials.
- Filling cracks, joints, voids, and capillary channels under water pressure by injection.

Stopping active water leaks in tunnels, galleries and underground structures,

PACKAGING

Single Component: 25 kg plastic packaging.

STORAGE AND SHELF LIFE

Product packaging must be sealed and all label information must be complete. The expiration date must be observed carefully. Storage conditions should be dry, cool, and well-ventilated. The product must be stored in accordance with technical safety information and legal requirements. In its original, unopened packaging, stored in a closed, moisture-free warehouse at a temperature of 15-25°C, the product has a shelf life of 12 months.

MEASURES

Please pay attention to the safety signs and warnings indicated on the packaging. Use certified technical equipment that complies with international health and safety standards as stated in the Product Safety Data Sheet (MSDS). Information must be followed. Adequate ventilation must be provided during application. Protective equipment such as masks and gloves should be worn. Do not touch directly or inhale the vapors. Keep away from open flames.

TECHNICAL SPECIFICATIONS

FEATURES	VALUES	STANDARDS
Colour	Amber	
Intensity	$1.1 \pm 0.05 \text{ g/cm}^3$	ASTM D1475 / DIN 53217 / ISO 2811
Viscosity	100-200 cP	ASTM D 2196-86 / EN ISO 3219 (+25°C)
RXN Startup Time	5-10 seconds	
RXN Expiration Time	90-100 seconds	

NOTES: The technical specifications listed above are based on tests conducted at 23°C and 50% relative humidity. Reaction times were measured using 10% water. Values may vary under different temperature and humidity conditions.

