



# MAXEPOX<sup>®</sup> INJECTION

## LOW VISCOSITY EPOXY FORMULATION FOR INJECTIONS

### DESCRIPTION

MAXEPOX INJECTION is an epoxy formulation of very low viscosity, for pouring or injecting under pressure and curing at ambient temperature.

### USES

- Injection of fissures, cracks, etc. in concrete.
- Impregnation by pouring of concrete, wood, ceramic, etc with high porosity.
- Injection or pouring in holes between concrete and reinforcing steel plates, etc.
- Anchorage and fixing of metallic elements in concrete, stone, etc.

### ADVANTAGES

- Very low viscosity. Good penetration into capillary cracks.
- Depending on the application, it admits the addition of aggregates for greater economy.

### APPLICATION INSTRUCTIONS

**Mixing:** The components are supplied in pre-weighed sets, and can be used as supplied for direct injections. Quartz aggregates can also be added at a ratio of 1 / 3 parts of resin mix / aggregate. This proportion will depend on the type of application and the difficulty of doing the injection under pressure or placing by pouring.

By request, and for jobs that require large amounts of material, it can also be supplied in bulk. In this case, for jobs where dosage is done on site, the proportions for the components indicated by weight in the technical data table must be expressly maintained.

The hardener, component B, is poured into the resin, component A. Make sure to pour all of component B, to ensure a proper reaction. Mix both components manually or with a low speed mixing drill, until a homogeneous product is achieved, both in colour and appearance.

**Application:** It can be done either by pouring or with appropriate injection equipment. In any case, the viscosity of the system, and consequently, the application possibilities are subject to manifest variations depending on the temperature. MAXEPOX INJECTION is thicker, and consequently less workable the lower the temperature. Applications can not be carried out below 5 °C, because the hardening of the system will not occur. At temperatures below 15 °C it is advisable to use as an alternative MAXEPOX INJECTION-R.

**Cleaning:** Working tools or stains with this product can be cleaned using MAXEPOX SOLVENT before hardening.

## PACKAGING

MAXEPOX INJECTION is supplied in pre-weighed sets of 1 or 2 Kg.

## STORAGE

One year when stored in air-tight containers in a temperate and dry place, avoiding temperatures below 5 °C and direct sun exposure.

Prolonged storage and temperatures below 5 °C produce the crystallising of the product. Should this happen, in order to return the product to normal conditions it must be heated between 80 and 90 °C while being regularly stirred.

## CAUTION

Avoid contact with the skin, mucous membranes, etc. Do not inhale vapours produced during heating or combustion. Observe the usual precautions necessary for the application of this type of products. Use gloves and safety goggles during the applications. Stains in the skin shall be cleaned immediately with soap and water. Do not use solvents.

## TECHNICAL DATA

<b>Proportion of components A: B (by weight)</b>	4 : 1	
<b>Proportion of resin : aggregate (max)</b>	1 : 3	
<b>Density of component A (gr/cm3)</b>	1.1	
<b>Density of component B (gr/cm3)</b>	0.9	
	<i>No aggregates</i>	<i>1 : 3 Ratio</i>
<b>Compressive strength (kp/cm2)</b>	800	900
<b>Flexural strength (kp/cm2)</b>	300	350
<b>Elasticity modulus (kp/cm2)</b>	85,000	120,000
<b>Linear expansion coefficient (cm/°C)</b>	$2,5 \cdot 10^{-5}$	$3,5 \cdot 10^{-5}$
<b>Curing time at 25 °C (hours)</b>	8	12
<b>Time for maximum resistance (days)</b>	5 – 7	5 – 7
<b>Resistance to chemical attack</b>	Excellent	Excellent
<b>Resistance to water</b>	Excellent	Excellent

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. Our guarantee covers exclusively the quality of the manufactured product. We shall not accept responsibility exceeding the value of the purchased product.



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