



MAXEPOX[®]

INJECTION -R

LOW VISCOSITY EPOXY FORMULATION FOR INJECTIONS AT LOW TEMPERATURES

DESCRIPTION

MAXEPOX[®] INJECTION -R is an epoxy formulation of very low viscosity, for pouring or injecting under pressure and curing at low temperatures.

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 and adequate reaction speed, even at low temperatures.
- 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 -R** 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.

Bearing in mind the high reactivity of the system, at temperatures above 20°C it is advised to use **MAXEPOX[®] INJECTION** (for curing at ambient temperature) or use a two component injection pump is such is the application method.

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

PROPERTIES OF THE COMPONENTS			
Proportion of the components A:B (by weight)			3,33 : 1
Proportion of resin : aggregates (max)			1 : 3
Density component A (gr/cm ³)			1,1
Density component B (gr/cm ³)			0,9
PROPERTIES OF THE MIX			
Density at 25 °C (gr/cm ³)			1,0
Viscosity at 25 °C (cPs)			280
Pot life of 100 gr at 10 / 20 °C (minutes)			20 / 10
Exothermic heat 100 gr (°C)			200
Contraction after reaction (volume / linear)			0,55 / 0,18
Compressive strength (kp/cm ²)	20 °C	2 ½ hours	410
	5 °C	16 hours	640
	20 °C	7 days	1100
Flexural strength (kp/cm ²)	20 °C	2 ½ hours	180 (plastic)
	5 °C	16 hours	270
	20 °C	7 days	400
Elasticity modulus at 20 °C, 7 days (kp/cm ²)			175.000
Critical temperature (°C)			60
Linear expansion coefficient (cm/°C)			75 . 10 ⁻⁶
Adhesion to dry concrete			Good (break in concrete)
Adhesion to damp concrete			Good (break in concrete)
Resistance to chemical attack			Excellent
Resistance to water			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®**, **S.A.** 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. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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BUREAU VERITAS
Certification



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