



# MAXEPOX<sup>®</sup> MORTER-V

## WATER BASE EPOXY COATING FOR PAINTING OF VERTICAL SURFACES

### DESCRIPTION

MAXEPOX MORTER-V is a two component epoxy formulation in a water emulsion. It is available in two types:

- MAXEPOX MORTER-V MATT for an eggshell, matt finish.
- MAXEPOX MORTER-V GLOSS for a smooth glossy finish.

### USES

- Coating or priming of vertical surfaces of concrete or gypsum plaster walls in hospitals, garages, dairies, butcheries, kitchens, nuclear plants, and chemical industry in general
- Coating of steel and polished surfaces.

### ADVANTAGES

- Excellent adhesion to concrete and steel.
- Elasticity modulus compatible with the thermal movements of the substrate.
- Excellent abrasion resistance.
- Easy to clean.
- Free of any organic solvents
- Practically odour free.

### APPLICATION INSTRUCTIONS

**Mixing:** MAXEPOX MORTER-V is supplied in pre-weighed sets. The hardener component B, is poured into the resin, component A. In order to guarantee a proper reaction of both components make sure of pouring all of component B. The mix can be done manually or using a low speed drill until obtaining a homogenous appearance and colour. Once they are well mixed, it is recommended to pour all of the contents into a clean container.

Check the technical data table for the "pot life" or time it takes the product to harden inside the container. The "pot life" of 10 kg. at a temperature of 20 °C is of 2 hours.

**Preparation of the surface:** All of the substrates to be coated should be properly prepared, as indicated in our technical note: *Preparation of concrete surfaces for epoxy coating applications*.

Brick and concrete. Concrete and ceramic substrates can contain a certain amount of humidity but it cannot be applied on wet surfaces or with flowing water.

Steel: Treat by shot or sand blasting to AS 2 ½ Swedish standard. The surfaces must be dry and free of dust. On metal surfaces special care should be taken for the drying conditions, because if it is too slow, corrosion problems may appear.

**Application:** For the proper reaction of the components, the minimum temperature of the substrate is 10°C and the relative humidity must be below 80%.

If the temperature were lower than 10°C or the relative humidity greater than 80%, the proper conditions must be created using warm air and renewing it periodically. Consequently in order to achieve the evaporation of the water contained in the product, if warm air is used, it must come from a dry source, (electrical); warm air from combustion of gas or oil produces a large amount of humidity which hinders the drying of the coating.

The application can be done by brush, roller or spray gun, even over slightly damp substrates. The viscosity of the first coat can be adjusted for the application method used diluting with isopropyl alcohol.

Coverage is estimated between 5 and 3 m<sup>2</sup> per kg and coat depending on the state of the substrate, and two coats are usually applied for better coverage.

In order to prevent MAXEPOX MORTER-V from slumping, it is advised not to exceed 100 microns per coat.

The addition of aggregates to the components of this product is not allowed. Once both components A and B have been mixed, MAXEPOX MORTER-V is ready for use.

**Open time:** This product can be repainted at any moment after curing, no matter how much time has elapsed.

**Cleaning:** Tools or stains with this product can be cleaned with water before it hardens.

## **PACKAGING**

MAXEPOX MORTER-V is supplied in pre-weighed sets of 10 and 20 Kg.

## **COLOURS**

White, grey, green, red, and beige. By special request other colours can be supplied.

## **STORAGE**

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

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, for two hours 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.

## TECHNICAL DATA

<b>Proportion of components A:B (weight)</b>	4:1
<b>Solids (%)</b>	50 – 55
<b>Pot life 10°C / 20°C / 30°C (minutes)</b>	180 / 120 / 60
<b>Open time 20°C (hours)</b>	2 – 4
<b>Curing time 10°C / 20°C / 30°C (days)</b>	8 / 5 / 3
<b>Dust free time, 65% HR (h)</b>	13.5
<b>Persoz Hardness 1 / 2 / 7 /14 days (sec. at 20°C)</b>	60 / 90 / 220 / 255
<b>Erichssen Extensibility 7 / 14 days DIN 52156</b>	7.0 / 5.5
<b>Gardner Shine MATT / GLOSS types</b>	22 / 65
<b>Water resistance (over aluminium) at 20 / 98 °C</b>	6 months / 6 hours

## 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. We shall not accept responsibility exceeding the value of the purchased product.



### **DRIZORO, S.A.**

C/ Primavera 50-52 Parque Industrial Las Monjas  
28850 TORREJON DE ARDOZ – MADRID (SPAIN)  
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13

e-mail: [info@drizoro.com](mailto:info@drizoro.com) Web site: [drizoro.com](http://drizoro.com)

