



MAXEPOX[®] AC

ANTI-CORROSION EPOXY PRIMER FOR METAL SURFACES

DESCRIPTION

MAXEPOX AC is a two-component water-based epoxy primer with non-toxic corrosion inhibitors, specially designed as a high performance protective treatment for metal surfaces against corrosion.

USES

- € Anti-corrosion coating for steel, iron, aluminium and others metal substrates in pipelines, tanks, bridges, tunnels, etc.
- € As a primer over metal surfaces for **MAXURETHANE 2C** (Technical Bulletin n.º 87).
- € Priming of metal for solvent-free epoxy system such as **MAXEPOX 800** (Technical Bulletin n.º 35).

ADVANTAGES

- € It forms a barrier against water, chloride ion and gas.
- € Very high adhesion over any metal surface.
- € Excellent corrosion inhibitor protection.
- € Very good abrasion resistance.
- € Non affected by humidity.
- € Free of organic solvent, non flammable.
- € Practically odour free, can be applied in working areas with poor ventilation.
- € Non-toxic.
- € Great durability system.
- € Easy to apply and clean.

APPLICATION INSTRUCTIONS

Preparation of the surface: **MAXEPOX AC** must come in contact with the surface itself to ensure maximum protection and adhesion. The surface must be dry and clean, free of oils, greases, dirt, dust, old coatings or other contaminants. Remove all corrosion stains or flakes.

For steel substrates, treat by sand or shot blasting to Sa 2½ grade (near white metal) in accordance with SIS 055900 or equivalent. Care should be taken for drying conditions because if it is too slow, corrosion problems may appear.

Mixing: **MAXEPOX AC** is supplied in pre-weighed sets. The resin component B, is poured into the hardener, 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. set at 20 °C is 2 hours aprox.

Application: The application can be done by brush, roller or spray gun. Apply one continuous and uniform coat of **MAXEPOX AC** over the surface. When exposed to aggressive environment or permanent immersion, two coats must be applied, the second one as soon as the first one is completely dry to touch (6-8 hours at 20°C aprox.). This product can be repainted at any moment after curing, no matter how much time has elapsed.

Application as primer for solvent-free epoxy system with MAXEPOX 800 or outdoor finish system with MAXURETHANE 2C: Apply two coats of **MAXEPOX AC** or only one coat if it is not exposed to aggressive environment or permanent immersion. Let last layer of **MAXEPOX AC** dry 24 hours before proceeding to cover with two coats of **MAXURETHANE 2C** or **MAXEPOX 800**, following their technical bulletin. For this matter, a good air renovation, low humidity and a temperature above 10°C are required.

Temperature 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%. The dew point must be higher than working temperature.

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.

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

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 with warm water between 80 and 90 °C, while being regularly stirred.

SAFETY AND HANDLING

Avoid contact with the skin, eyes, etc. Do not inhale vapours produced during heating or combustion of the product. Wear safety goggles and protective gloves. In contact with skin or eyes, rinse plenty with clean water but do not rub. If irritation continuous, consult a doctor. Observe the usual precautions necessary for the application of this type of products. Safety Data Sheet is available under request.

TECHNICAL DATA

Proportion of components A:B (by weight)	5:1
Colour of the mix A+B	Red
Density A+B (kg/l)	1.34
Solids in weight (%)	71
Solids in volume (%)	53
Pot life 10°C / 20°C / 30°C (min. aprox.)	180 / 120 / 60
Tack-free drying time 20°C (hours aprox.)	6 - 8
Curing time 10°C / 20°C / 30°C (days)	8 / 5 / 3
Coverage per coat (kg/m ²)	0.250
Coverage per coat (m ² /kg)	4
Dry film thickness per coat (microns)	100
Packaging	Pre-weighed sets of 10 and 20 kg

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.



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