



MAXEPOX[®] 800

HIGH CHEMICAL RESISTANCE EPOXY COATING APPROPRIATE FOR THE FOOD INDUSTRY

DESCRIPTION

MAXEPOX 800 is a two component solvent free epoxy formulation highly resistant to chemical attack and appropriate for coatings in the food industry.

APPLICATION FIELDS

- Coatings of surfaces subjected to aggressive chemical attack.
- Coating of animal and vegetable oil, fats, butter reservoirs and meat industry.

ADVANTAGES

- Excellent adhesion to steel and concrete.
- Elastic modulus compatible with the thermal movements of the substrate.
- Excellent abrasion resistance.
- Easily cleaned.
- Free of organic solvents, odour-free.
- Very high chemical resistance.
- Waterproof.
- High resistance to acids and alkalis.
- Does not change the taste, smell or colour of foods in contact with the coating.

APPLICATION INSTRUCTIONS

Preparation of the surface: All of the substrates to be coated should be properly prepared as indicated in our technical note "*Recommendations for the use of epoxy base bonding agents.*"

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.

Mixing: MAXEPOX 800 is supplied in pre-weighed sets. For jobs which require large amounts of material, it can be supplied in large 220 litre drums. In this case the right proportions between the components should be kept when mixing on site.

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. It is

advisable that once the two components are well mixed, the product should be poured into a clean container.

Check the technical data table for the “pot life” of the product, that is the time it takes to harden after mixing inside the container. For 5 kg. at a temperature of 20 °C, the “pot life” is 50 minutes.

Application:

Priming: A coat of epoxy water base coating matt type MAXFLOOR MATE, shall be applied, following the indications of its technical bulletin. The estimated consumption of material is around 250 – 300 gr/m².

Before proceeding to apply the finishing coats of MAXEPOX 800, the priming coat of MAXFLOOR MATE must be completely dry. This will occur between 24 and 48 hours after the application, as long as there is good air renovation, low relative humidity and a temperature above 10°C.

Finishing coats with MAXEPOX 800: For the correct reaction of its components, the minimum temperature of the substrate during the application and hardening must be at least 5 °C and there must not be any condensation.

If the temperature were below 5 °C or the humidity were excessive, the appropriate conditions must be created with warm air and renewing it periodically. If warm air is used it must come from a dry source (electrical), as air from gas or oil combustion produces large amounts of humidity.

The application can be done with rubber spatula, short hair brush, roller or airless spray gun. No solvents shall be added. MAXEPOX 800 has a thixotropic behaviour, and can be applied up to 300 microns thick without any slumping problems.

For a proper protection it is advisable to apply a minimum 300 micron, equivalent to a coverage of 0.5 kg/m², but best results are obtained applying 0.75 kg/m² to leave a 500 micron coat, usually specified in many projects. In this last case, in order to prevent slumping, the application will be done in two coats, keeping in mind that the second one should be applied in the open time of the product (see technical data table) which at 20 °C is 24 hours.

Once finished, check the application thoroughly for the absence of pores.

Cleaning: Tools or stains with this product can be cleaned with MAXEPOX SOLVENT before final hardening.

PACKAGING

MAXEPOX 800 is supplied in pre-weighed sets of 10 and 25 kg and it is available in red colour. Upon request it can be supplied in 200 kg. drums.

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, while being regularly stirred.

SAFETY AND HEALTH

When mixing and applying, do not work without the protection of rubber gloves and safety goggles. If the product comes in contact with the eyes, rinse immediately with clean water without rubbing and seek medical assistance. In case of contact with the skin, wash with abundant water and soap. Do not inhale vapours produced during heating or combustion. If ingested, seek immediate medical assistance. Do not induce vomiting.

Safety Data Sheet for MAXEPOX 800 is available by request.

Disposal of the product and its empty packaging must be made according to official regulations by the final user.

TECHNICAL DATA

Proportion of components A:B (weight)	2:1
Solids (%)	100
Pot life 10°C / 20°C / 30°C (minutes) (10 kg)	120 / 50 / 20
Open time 10°C / 20°C / 30°C (hours)	48 / 24 / 12
Curing time 10°C / 20°C / 30°C (days)	8 / 5 / 3
Coverage per coat (gr/m²)	250 – 375
Thickness per coat (micras)	150 – 250
Minimum temperature for application and hardening (°C)	5
Time for service use (days)	3 – 5

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 price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. 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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