



MAXEPOX[®] 3000

EPOXY SYSTEM FOR PREPARING SELF – LEVELLING FLOORING PAVEMENTS

DESCRIPTION

MAXEPOX 3000 is an epoxy formulation especially modified and pigmented, designed for preparing self – levelling floors.

The MAXEPOX 3000 system for levelling floors in minimum thickness, providing a decorative pavement, resistant to chemical attack and abrasion.

USES

- Coating of industrial floors.
- Garage flooring, etc.

ADVANTAGES

- Its self – levelling behaviour allows for easy application and excellent results.
- High mechanical and chemical resistance, as well as excellent resistant to abrasion and wear.
- Easy to clean.
- Does not require finishing top coat.

APPLICATION INSTRUCTIONS

Mixing: The epoxy components which form the binders in the MAXEPOX 3000 system are supplied in pre-weighed sets, to which the necessary aggregates are added. For jobs which imply large amounts of material, the resins can be supplied in bulk, in which case the mixing ratio between the components must be kept when the dosage is done on site.

The hardener, component B, is poured into the resin, component A. Make sure to pour all of component B into the resin to ensure the proper reaction of the components. The mix will constitute the binder of the system and can be done manually or with a low speed mixing drill, until a homogeneous product in colour and appearance is achieved. Once mixed, it is advisable to pour the binder into a clean container and add the siliceous aggregates, mixing once again.

The mixing ratio binder / aggregate can vary between 1 / 1 and 1 / 2. It is advisable that the aggregates are not larger than 0.5 – 0.6 mm. DRIZORO can supply the appropriate high quality aggregates already pre-weighed.

Check the pot life in the technical data table, it is the time it takes the product to harden in the mixing container. At 20° C, the pot life for 10 kg. is of 60 minutes.

Preparation of the surface: All substrates to be coated must be adequately prepared, as detailed in our technical note *Preparation of concrete surfaces for application of epoxy base coatings*.

Application:

Priming: A layer of solvent base epoxy primer MAXPRIMER shall be applied, using a roller, following the indications in Technical Bulletin N°.: 45. The placing of the mortar formed with the MAXEPOX 3000 system can be done 30 minutes after the application of the primer, once the solvent has evaporated. It can also be placed the following day, but never later than 24 hours. The coverage of MAXPRIMER will not be less than 200 gr/m².

If the substrate is humid, the appropriate product for priming will be the water base epoxy coating MAXFLOOR in its matt type. The primer coat shall be applied following the indications in Technical Bulletin N°.:33. The estimated coverage is about 250 to 300 gr/m². In this case, before placing the MAXEPOX 3000 it is essential that the MAXFLOOR matt coat applied is absolutely dry, which will occur between 24 and 48 hours after application, as long as there is proper air renovation, low relative humidity and a temperature above 10° C.

Placing of MAXEPOX 3000: It will be carried out on the primed area, using a toothed trowel to the desired thickness. A spiked roller shall be used repeatedly in order to obtain a better finish and removing any air bubbles.

The estimated coverage per square meter for a 3 mm. thickness is about 5.1 kg, of which one third will be the epoxy binder and the other two thirds are aggregates.

On ramps or areas with steep slopes, MAXEPOX 3000 can slump due to its fluidity and self levelling capacity. DRIZORO can supply an additive which would increase the thixotropy of the mix and allow its placement under these conditions.

Cleaning: Tools used and stains with this product can be cleaned prior to drying using MAXEPOX SOLVENT.

Time for putting in service: The pavement done with MAXEPOX 3000 system shall not be put into service until after at least three days. (20 °C)

PACKAGING

The epoxy components of MAXEPOX 3000 are supplied in pre-weighed sets of 10 and 25 Kg. Upon request they can be supplied in bulk, in 200 kg. drums. The aggregates are supplied in 25 kg. bags.

COLOURS

Red, green and grey. Other colours available by special request.

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.

TECHNICAL DATA

Proportion of epoxy components A:B (by weight)	2.33 : 1
Proportion binder : aggregate (max / min)	1 : 1 / 1: 2
Solids (%)	100
Density of the mortar (kg/dm³ approx.)	1.72
Pot life 10°C / 20°C / 30°C (minutes) (10 kg)	100 / 60 / 30
Time for stepping 10°C / 20°C / 30°C (hours)	24 / 14 / 7
Time for putting into service (days)	3
Recommended thickness (mm.)	2 – 3
Coverage per mm. thickness (mortar: kg/m²)	1.7
Compression strength (Kp/cm²)	750
Flexural strength (Kp/cm²)	275
Elasticity modulus (Kp/cm²)	62,000
Linear expansion coefficient (1 / °C)	56.10 ⁻⁶

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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