



MAXEPOX[®] MORTER

EPOXY SYSTEM FOR THE PREPARATION OF PAVEMENT MORTARS IN THICK LAYER

DESCRIPTION

MAXEPOX MORTER is a modified and pigmented epoxy formulation, specifically designed for the preparation of mortars used as floor coatings.

The MAXEPOX MORTER system allows levelling of the floor and provides a decorative and highly resistant pavement to chemical attack and abrasion.

USES

- Coating of industrial floors.
- Garage pavements, etc.
- Can be used as multi-layered system by sand sprinkling.

ADVANTAGES

- Excellent solution for pavements with thickness above de 4 mm.
- High mechanical, chemical, abrasion and wear resistance.

APPLICATION INSTRUCTIONS

Mixing: The epoxy components that make up the binder resin of the MAXEPOX MORTER are supplied in pre-weighed sets, to which the respective aggregates should be added. For job which 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. This mix which will form the binder of the system can be done both manually or with a low speed mixing drill, until a homogeneous product is achieved, both in colour and appearance. Once well mixed, it is advisable to pour the binder into a clean container and add the siliceous aggregates, mixing well until it is homogeneous.

The mixing ratio binder / aggregate can vary between 1 / 5 and 1 / 6. It is advisable that the aggregates are approximately between 0.2 and 0.8 mm. with as uniform distribution in size as possible to increase the compacity of the mortar. 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 80 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 MORTER 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.

Placing of MAXEPOX MORTER as a mortar: It can be done over all the primed area using a trowel to the required thickness.

The estimated coverage per m² in a 5 mm. thickness is approximately 10.5 kg of mortar. For application in ramps or areas with noticeable inclines, where the mortar formed with MAXEPOX MORTER could slump, DRIZORO can supply an additive that increases the thixotropy of the mix and allows its placement under these conditions.

In order to improve the waterproofing of the pavement and its anti-dusting performance, it is advisable to finish the job by applying a topcoat. This topcoat can be done using MAXPRIMER, with the epoxy components of MAXEPOX MORTER itself, or with a specific MAXEPOX – PS. The coverage will depend on the execution of the mortar, but can be estimated between 100 and 200 gm. of topcoat product.

Placing of MAXEPOX MORTER as multilayered coating by sand dusting: This solution provides a coating very easy to apply in a few millimetres thick.

On top of the application of MAXPRIMER as a primer, a thick layer of the epoxy components of MAXEPOX MORTER is applied, without the addition of aggregates, and an approximate coverage of 0.5 kg/m². Immediately and while the layer is still fresh, the aggregates are sprinkled on, until the surface is fully covered.

After 24 hours, any aggregates that are not bonded to the resin are removed by sweeping. Later the surface is sanded mechanically and all of the surface is vacuumed.

As topcoat, another application of the epoxy components of MAXEPOX MORTER is done using a roller, with an approximate coverage of 0.5 kg/m².

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

Time for putting in service: The pavement executed with the MAXEPOX MORTER system should not be put into service until after at least 3 days. (20 °C)

PACKAGING

The epoxy components of MAXEPOX MORTER are supplied in pre-weighed sets of 10 and 20 Kg. Upon request they can be supplied in bulk, in 200 kg. drums. DRIZORO can also supply quality aggregates in the appropriate grain size for preparing the mortars.

COLOURS

Transparent, grey, red and green. 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 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

Proportion of epoxy components A:B (by weight)	2.33 : 1
Proportion binder : aggregate (max / min)	1 : 5 / 1: 6
Solids (%)	100
Density of the mortar (kg/dm³ approx.)	2.1
Pot life 10°C / 20°C / 30°C (minutes) (10 kg)	120 / 80 / 40
Time for stepping 10°C / 20°C / 30°C (hours)	24 / 18 / 8
Time for putting into service (days)	3
Recommended thickness (mm.)	4 – 5
Coverage per mm. thickness (mortar: kg/m²)	2.1
Compression strength (Kp/cm²)	800
Flexural strength (Kp/cm²)	250
Elasticity modulus (Kp/cm²)	125,000
Linear expansion coefficient (1 / °C)	20.10 ⁻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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