



MAXEPOX[®]

PRIMER

SOLVENT-FREE EPOXY PRIMER/SEALER FOR EPOXY FLOORING SYSTEMS

DESCRIPTION

MAXEPOX[®] PRIMER is a two-component, transparent, solvent-free epoxy primer, which has been specially designed to ensure and enhance the adhesion for epoxy flooring systems.

APPLICATION FIELDS

- Priming for solvent-free epoxy flooring systems such as **MAXEPOX[®] 3000**, **MAXEPOX[®] FLOOR**, **MAXEPOX[®] FLEX**, and **MAXEPOX[®] MORTER** (Technical Bulletins Nos. 36, 239, 165, and 76, respectively).
- Sealing of epoxy screed mortars and multi-layer systems.
- Improvement of cohesiveness and mechanical properties of floor surfaces.
- Transparent impregnation and sealing of porous mortars and concrete floors in warehouses, industrial facilities, garages, etc.
- Anti-dust finish for concrete floors.

ADVANTAGES

- Low viscosity, it penetrates easily in porous and capillarity network of concrete.
- Excellent adhesion to concrete.
- Reduce surface porosity, avoiding pinholing and bubbling in epoxy-based flooring systems.
- Very good chemical resistance to bleach diluted acid solutions, diluted alkalis, brine, wastewaters, and both mineral and organic oils.
- Good coverage.
- Environmentally friendly: non-toxic, non-flammable and solvent-free product. Suitable for poor ventilated areas.

APPLICATION INSTRUCTIONS

Surface to be coated must be structurally sound, firm, without cement laitance and as uniform as possible, and preferably with a slight roughness, i.e. open textured surface. It must be dry, clean and free of paints, coatings, efflorescence, loose

particles, grease, oils, curing agents, form release agents, dust, gypsum plasters, organic growth or any other contaminants that may affect to adhesion. Surface moisture content should not exceed 5 %.

Consult our technical note "*Preparation of concrete surfaces for application of epoxy-based coatings*" for further information.

For cleaning and preparing the substrate, preferably in case of the smooth and/or poorly absorbent concrete and cement mortars, provide a mechanical texturing by abrasive disc, dry sand-blasting, scarification or other abrasive method to achieve at least a slightly textured surface, not being desirable aggressive mechanical or chemicals means. Finally, vacuum the dust and loose particles.

All small voids, holes, honeycombs, cavities, once opened must be patched with epoxy-cement mortar **MAXEPOX[®] CEM** (Technical Bulletin No. 197) or epoxy-based mortar **MAXEPOX[®] JOINT** (Technical Bulletin No. 237). Loose concrete and static cracks without movement, once opened and routed to a minimum depth of 2 cm, must be repaired with **MAXREST[®]** (Technical Bulletin No. 2) to provide an even surface. Rebars and other metal elements exposed during the substrate preparation should be cleaned and passivated with **MAXREST[®] PASSIVE** (Technical Bulletin No. 12), while non-structural and surface iron elements must be cut to a depth of at least 2 cm and then covered with **MAXREST[®]**.

Expansion joints and fissures/cracks subject to movements, once opened must be sealed with a suitable sealant of **MAXFLEX[®]** range.

Mixing

MAXEPOX[®] PRIMER is supplied as a pre-weighed two-component set. Premix the components separately, and then the hardener, component B, is poured into the resin, component A.

Mix manually or preferably using a low speed drill (300-400 rpm. maximum), fitted with a mixer suitable for liquids, for about 2-3 minutes until

achieving a homogeneous product in colour and appearance.

Do not mix for prolonged period nor use high-speed mixer, which may heat the mixture or introduce air bubbles.

Check Technical Data Table for product pot life. This value is greatly reduced with hot temperatures.

Application

Priming:

Apply one coat of **MAXEPOX® PRIMER** using a roller or brush with a recommended consumption of 0,25 - 0,50 kg/m², taking care to avoid excess build or puddling. Placing of the next epoxy coat should be carried out once **MAXEPOX® PRIMER** is perfectly dry, from 14 - 16 hours and no later than 24 hours, depending on weather conditions.

Pure seal coating:

On top of **MAXEPOX® MORTER** mortar or concrete surface, apply one coat of **MAXEPOX® PRIMER** by short hairbrush or short pile roller with an approximate consumption of 0,25 - 0,50 kg/m². Consumption depends on substrate porosity and desired finish.

Application conditions

Do not apply when rain, water contact, condensation, dampness or dew is expected within the first 24 hours.

Do not apply with substrate and/or ambient temperature is at or below 10 °C, or when are expected to fall below 10 °C within 24 h after application. Do not apply to frozen or frost-covered surfaces.

Ambient and surface temperature must be at least 3 °C higher than dew point. Do not apply with R.H. lower than 30 % or higher than 80 %. Measure the relative humidity and dew point before applying the product.

With low temperatures, high humidity levels or both, use dry and warm air in order to get the suitable conditions, such as with an electric powered air blower system.

Temperatures above 30 °C lead a quick-setting between components and heat production, so the pot life is greatly reduced.

Curing

Allow **MAXEPOX® PRIMER** to cure for at least 5 days at 20 °C and 50% R.H. before putting into service to heavy traffic. Applications at lower temperatures, high humidity and/or poor ventilation conditions require longer drying and curing times.

Cleaning

All mixing and application tools, and equipment must be cleaned immediately with **MAXEPOX® SOLVENT** after use. Once product cures, this can only be removed by mechanical means.

CONSUMPTION

Estimated consumption for **MAXEPOX® PRIMER** varies from 0,25 - 0,5 kg/m² per coat, applied as primer, and from 0,25 - 0,50 kg/m² applied as sealing topcoat.

These figures are for guidance only and may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on-site to ascertain the total consumption exactly.

IMPORTANT INDICATIONS

- For interior use only.
- Surface moisture content of substrate must not exceed 5%. Do not apply on substrates subject to rising humidity or negative water pressure.
- Avoid contact with water, damp, dew, condensation, etc for 24 hours after application.
- Allow new concrete and mortars to cure for 28 days before application.
- Do not add solvents, thinners, additives, aggregates, or other compounds.
- Use the recommended mixing ratios for all compounds.
- Observe the recommended consumptions per coat.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXEPOX® PRIMER is supplied in pre-weighed two-component set of 20 kg.

STORAGE

Six months in its unopened original packaging. Store in a cool, dry and covered place, protected from moisture, frost and direct sunlight, with temperatures between 5 °C and 30 °C.

Storage at temperatures below 5 °C may lead the crystallisation of product components. Should this happen, it must be heated slowly at moderate temperature while it is regularly stirred until achieving its homogeneous and original lump-free appearance.

SAFETY AND HEALTH

MAXEPOX[®] PRIMER is not a toxic product but direct contact with skin and eyes must be avoided. Use rubber gloves and safety goggles when handling, mixing and applying the product. In case of contact with skin, wash affected area with soap and water. In case of contact with eyes, rinse immediately thoroughly with clean water but do

not rub. If the irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **MAXEPOX[®] PRIMER**.

Disposal of the product and its packaging should be carried out according to the current official regulations and it is the responsibility of the final user of the product.

TECHNICAL DATA

Product characteristics	
General appearance and colour for A+B mixture	Transparent liquid
Solids content A+B , (% , by weight)	100
Density for A+B mixture at 20 °C, (g/cm ³)	1,1 ± 0,1
Viscosity for A+B mixture at 20 °C, (mPa·s)	600 - 700
Application and curing conditions	
Minimum application temperature	>10
Pot life at 10 °C/ 20 °C/ 30 °C, (min)	25-30 / 20-25 / 15-20
Open time between coats at 20 °C, (hours)	14 - 24
Total curing time at 20 °C, (days)	7
Consumption*	
Consumption as primer, (kg/m ²)	0,25 - 0,50
Consumption as sealing topcoat, (kg/m ²)	0,25 - 0,30

* These figures are for guidance only and may vary depending on porosity, texture and conditions for substrate, and application method. Perform a preliminary test on-site to ascertain the total consumption exactly.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.U.** 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. 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.



DRIZORO, S.A.U.

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 Web site: drizoro.com

ISO 9001
ISO 14001

BUREAU VERITAS
Certification



ES045396-1/ES045397-1