



MAXEPOX[®]

PRIMER -W



WATER-BASED EPOXY PRIMER FOR POLYURETHANE, POLYUREA AND EPOXY COATING SYSTEMS

DESCRIPTION

MAXEPOX[®] PRIMER-W is a two-component, water-based epoxy formulation, designed as primer for polyurethane, polyurea and epoxy coatings to be applied on concrete, mortar, metal substrates, etc in execution of waterproofing and flooring jobs.

APPLICATION FIELDS

- As primer on new or old substrates of concrete, mortar, metal, bricks, ceramic tile, etc for polyurethane, polyurea and epoxy coatings in waterproofing of roofs, terraces, water reservoirs, channels, etc.
- Sealing and substrate preparation in floor repair and execution of pavements on industrial areas, parking, shopping centres, hangars, etc....
- Primer coating for polyurea coatings for bridge decks waterproofing.

ADVANTAGES

- Excellent adhesion on substrate.
- Suitable for application on wet surface.
- Easy to apply by manually or airless spray.
- Suitable for both vertical and horizontal surfaces.
- Environmentally friendly: non-toxic, non-flammable and odourless. Suitable for poor ventilated areas.

APPLICATION INSTRUCTIONS

Surface preparation

Surface 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 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.

Do not apply on substrates subject to rising damp. Substrate may contain some surface moisture but not free standing water (maximum surface moisture content 10%).

Concrete and cement mortar:

For cleaning and substrate preparation, preferably in case of the smooth and/or poorly absorbent concrete 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 chemical means. Finally, vacuum the dust and loose particles.

Unloose or unbounded areas must be repaired with **MAXREST[®]**. Rebars and other metal elements exposed during the substrate preparation should be cleaned and passivated with **MAXREST[®] PASSIVE**.

Expansion joints and fissures/cracks subject to movements, once opened must be sealed with any suitable sealant of **MAXFLEX[®]** range. Metal surfaces should be cleaned to remove all traces of corrosion, free of dust and degreased. Use sand or shot blasting.

The adhesion is good on other different substrates such as epoxy, polyester, polyurethanes, polyureas, bitumen, asphalts, etc..., nevertheless is recommended to perform a previous test.

Mixing

MAXEPOX[®] PRIMER -W is supplied as a pre-weighed two-component set. Firstly pre-mix the components separately, and then pour fully the hardener component B into the resin component A. Mix manually or preferably using a low speed drill (300-400 rpm. maximum), for 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 pot-life after mixing (10 g set has a pot life of 2 hours at 20° C). This

pot-life is greatly reduced with hotter temperatures.

Application

MAXEPOX® PRIMER -W is applied by short hair roller, brush or air-less spray. If used air-less spray, it can be diluted with the minimum amount of water that allows its application.

Apply **MAXEPOX® PRIMER -W** with a consumption of 0,20-0,30 kg/m² per coat, depending on substrate porosity. Surfaces with high porosity may request two or three coats.

Before applying the next epoxy, polyurethane or polyurea coating, **MAXEPOX® PRIMER -W** must be fully dry and tack-free, which depending on weather conditions may be from 12 - 24 hours.

Application conditions

Do not apply when rain, contact with water, condensation, dampness and dew is expected within the first 24 h.

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. Do not apply to frozen or frost-covered surfaces.

Ambient and surface temperature must be at least 3 °C higher than dew point. Check relative humidity and dew point before application.

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 to dry perfectly **MAXEPOX® PRIMER -W** from 12 - 24 hours, at 20 °C and 50% R.H., before applying the next polyurethane, epoxy or polyurea coating.

Cleaning

All application tools must be cleaned immediately with water after use. Once product cures, this can only be removed by mechanical means.

CONSUMPTION

Estimated consumption for **MAXEPOX® PRIMER -W** is 0,20 - 0,30 kg/m² per coat.

This consumption is for guidance only and may vary depending on porosity, texture and substrate condition and application method. Perform a preliminary test on-site to ascertain the total consumption exactly under jobsite conditions.

IMPORTANT INDICATIONS

- Do not apply on substrates subject to rising humidity or negative water pressure.
- Avoid contact with water, damp, dew, condensation, etc the first 24 hours and before recoating.
- Allow new concrete and mortar to cure a minimum of 28 days before application.
- Use the recommended A to B mixing ratio.
- Observe the recommended consumptions per coats.
- Do not add solvents, thinners, admixtures, or other compounds.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXEPOX® PRIMER -W is supplied in pre-weighed two-component set of 10 kg and 20 kg. It is available in grey colour.

STORAGE

Twelve 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 40 °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 -W is not a toxic product but direct contact with skin and eyes must be avoided. Use rubber gloves and safety goggles during application. In case of skin contact, wash affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance. Do not inhale vapors from heating and combustions process. If ingested, seek immediate medical assistance. Do not induce vomiting.

Consult the Material Safety Data Sheet for **MAXEPOX® PRIMER -W**.

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	
<i>CE Marking, EN 1504-2</i> Description. Epoxy primer for epoxy, polyurethane or polyurea systems.	
General appearance and colour for component A	Homogeneous grey paste
General appearance and colour for component B	Translucent-yellowish liquid
A:B mixing ratio for matt/gloss version, (by weight)	5:1
Application and curing conditions	
Minimum application and substrate temperature (°C)	> 10
Pot life at 20 °C (min)	120
Drying-time and recoat-time at 20 °C, (hours)	12-24
Flash point, (°C)	Non-flammable
Consumption	
Consumption per coat (kg/m ²)	0,20 – 0,30

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.



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