



MAXPRIMER[®]

WET

SOLVENT-FREE EPOXY PRIMER FOR HIGH MOISTURE SUBSTRATES AND GREEN CONCRETE

DESCRIPTION

MAXPRIMER[®] WET is a solvent-free, epoxy primer specially designed as primer and temporary vapor barrier for concrete and mortar subject to high moisture content, prior to the application of epoxy, polyurethane or polyurea coatings in waterproofing works and flooring systems.

APPLICATION FIELDS

- Primer for new "green concrete" or old concrete substrates with very high moisture content.
- Primer prior application of waterproofing coatings such as polyurea **MAXELASTIC[®] POLY** or polyurethane roof coating **MAXELASTIC[®] PUR**, **MAXELASTIC[®] PUR-HW**, on surfaces with very high moisture degree.
- Preparation of damp or saturated floors before finishing layer with epoxy **MAXEPOX[®]**, polyurethane **MAXURETHANE[®]** or polyurea **MAXFLOOR[®]** coatings in industrial floors, food processing areas, parking, shopping centers, garages, etc.
- On grade, above and below grade on concrete.

ADVANTAGES

- Suitable for substrates subject to high moisture content (up to 98 %).
- Speed-up execution time at job-site avoiding waiting times for drying-process after concrete casting, rainfalls, etc., leading work productivity and total budget savings.
- Excellent adhesion on wet concrete and mortars.
- Easy and quick application.
- Solvent-free, non-flammable and practically odorless. Suitable for poor ventilation areas.

APPLICATION INSTRUCTIONS

Surface preparation

Surface to be coated must be structurally sound, firm, without cement laitance and as uniform as possible. 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. Substrate may have up to 98 % residual moisture, but should not be applied on flooded surfaces, with ponding water.

For surface preparation, provide a mechanical texturing by mechanical means, i.e. 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.

Cracks and fissures without movements, once opened up to 2 cm depth, will be repaired with structural reparation mortar **MAXREST[®]**. Steel bars and metallic elements which could be exposed during surface preparation process should be cleaned and treated with the oxide converter **MAXREST[®] PASSIVE**. Surface and non-structural steel elements should be cut up to 2 cm depth prior to its covering with **MAXREST[®]**. Expansion joints and fissures subject to movements, once properly opened and cleaned, must be sealed with a suitable **MAXFLEX[®]** range sealant.

Mixing

MAXPRIMER[®] WET is supplied as a pre-weighed two-component set. Premix the components separately and then pour the hardener Component B into the resin Component A. Mix manually or preferably using a low-speed drill (300-400 rpm max.), fitted with a mixer suitable for liquids for about 2-3 minutes until achieving a homogeneous product in color and appearance.

Do not mix for a prolonged period nor use high-speed mixer, which may heat the mixture or

introduce air bubbles. Check Technical Data Table for product pot-life (20 minutes at 20°C).

Application

Apply a continuous and uniform coat of **MAXPRIMER® WET** by tooth trowel with a consumption of 0,60 kg/m². While primer is still fresh, trowel scratches can be smoothed down with a short hair roller, which must be previously wet with the primer. It must be avoided any unevenness, cavities or pinholes during application, if so, recoat again with the same consumption. In case of extremely porous surfaces or plenty of irregularities, a second coat may be required too.

Application conditions

Optimum application temperature is from 10 to 35°C. Do not apply when substrate and/or ambient temperature is 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.

With hot weather conditions (>30°C), pot-life for application is greatly reduced.

Ambient and surface temperature must be at least 3°C higher than dew point.

Curing

Drying-time and recoating-time for application next epoxy, polyurethane or polyurea coat is from 3 to 6 hours at 20°C. Lower application temperature increase drying-time values gradually.

Cleaning of tools

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

CONSUMPTION

Estimated consumption for **MAXPRIMER® WET** is 0,60 kg/m², applied in one single coat. Consumption may vary depending on application method, porosity and substrate conditions. Second coat may be required to achieve a homogeneous and continuous layer with high porosity substrates. Perform a preliminary test on-site to ascertain the total consumption exactly.

IMPORTANT INDICATIONS

- Do not apply on substrates subject to permanent raising dampness or negative hydrostatic pressure conditions.
- Do not add aggregates, additives or other compounds.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXPRIMER® WET is supplied in 15 kg pre-weighed two-component sets: Component A: 11,70 kg and Component B: 3,30 kg.

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 35°C.

Storage temperature below 5°C may lead in crystallization of components or increase in its viscosity. 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

MAXPRIMER® WET 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. In case of intake, seek for medical assistance immediately. Do not induce vomit.

Consult the Material Safety Data Sheet for **MAXPRIMER® WET**.

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	
A:B mixing ratio, (by weight)	3,5:1
Density A+B at 23°C, ISO 1675, (g/cm³)	1,50 ± 0,1
Solids content, (% by weight)	100
Application and curing conditions	
Minimum/maximum substrate and ambient temperature, (°C)	10/35
Pot -life at 20°C, (min)	20
Drying-time and recoating-time at 20°C, (hours)	3 - 6
Maximum surface moisture for application, (%)	98
Flash point	Non-flammable
Characteristic for cured product	
Adhesion on dry concrete at 28 days, ASTM D-4541 (MPa)	3,9
Adhesion on wet concrete at 28 days, ASTM D-4541 (MPa)	3,8
Liquid water permeability (water absorption), EN 1062-3, (kg/m²·h ^{1/2})	0,021
Water vapour permeability, EN-ISO 7783 Sd, equivalent air barrier (meters)	60,5 (Classified as Class III, Sd > 50 m, Water vapour impermeable)
Consumption*	
Consumption per coat, (kg/m²)	0,60

* These figures are for guidance only and may vary depending on porosity, substrate conditions 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.



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