



MAXELASTIC[®]

PUR PRIMER

SOLVENT-FREE EPOXY PRIMER FOR MAXELASTIC[®] PUR

DESCRIPTION

MAXELASTIC[®] PUR PRIMER is a two-component, solvent-free, low viscosity, transparent epoxy primer to be used prior to application of the **MAXELASTIC[®] PUR** waterproofing liquid membrane, acting as an excellent bonding agent and a vapour barrier.

APPLICATION FIELDS

Priming for **MAXELASTIC[®] PUR** on concrete, mortars and porous substrates when subject to permanent water immersion: channels, anaerobic tanks, reservoirs, fountains, etc

ADVANTAGES

- Provides an excellent vapour barrier.
- Strong adhesion to concrete, cement mortars, etc.
- Very good penetration and sealing of cracks and porous substrates.
- Good coverage.
- Non-flammable and solvent-free.
- Improves surface cohesion of the substrate.

APPLICATION INSTRUCTIONS

Substrate preparation

Concrete surface must be structurally sound and clean, free of dust, old coatings, efflorescences, oil, grease, etc and preferably with a slight roughness, i.e. open textured surface.

Substrate must be dry, with moisture content below 4 %. Do not apply on substrates subject to rising damp or negative water pressure.

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

Mixing

MAXELASTIC[®] PUR PRIMER is supplied as a pre-weighed two-component set. The hardener, component B, is poured into the main component A, which should be previously homogenized. Mix mechanically using a slow speed electric stirrer (up to 300-400 rpm) until achieving a homogeneous product in colour and appearance. Small quantities

of product can be mixed also by hand. Do not mix for prolonged period nor use high-speed mixer, which may heat the mixture or introduce air bubbles.

Check the technical data table for the pot-life or time it takes the product to harden inside the container. The pot-life at 20 °C is 45 minutes, increasing with lower temperatures or small quantities of mixture and reducing with higher temperatures.

Application

Apply a uniform and continuous coat of **MAXELASTIC[®] PUR PRIMER** by roller, brush or air-less gun.

Later application of **MAXELASTIC[®] PUR** must be done once the primer is dry to touch, check the technical data table for the drying-time interval. The drying-time for 5 kg set at 20 °C is about 5 hours. Drying time can vary depending on type of substrate, porosity, application method, ventilation and weather conditions. A preliminary test on-site will determine the drying-time exactly.

Application conditions

Do not apply if rain, condensation, dew or water contact is expected 24 hours after application.

The ideal working temperature for substrate and ambient is between 8 °C and 35 °C. Do not apply below 5 °C or if lower temperature is expected within the first 24 hours. Do not apply on frozen surfaces.

Surface and ambient temperature must be at least 3 °C higher than dew point. Do not apply with R.H. higher than 85%. Measure the relative humidity and dew point for applications carried out in proximities of marine environment.

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.

Cleaning

All tools and equipments can be cleaned with **MAXEPOX[®] SOLVENT** immediately after use. Once the product cures, it can only be removed by mechanical methods.

CONSUMPTION

Estimated consumption for **MAXELASTIC® PUR PRIMER** is about from 0,25 to 0,30 kg/m² per layer. These figures may vary depending on texture, porosity, substrate conditions and application method. A preliminary test on-site will determine the consumption exactly.

IMPORTANT INDICATIONS

- Do not apply on substrates subject to rising humidity or negative water pressure. Surface moisture content of substrate must not exceed 5%. Allow enough time for drying the substrate after water contact, damp, dew, condensation, etc, as well as after preparation of surface.
- Allow new concrete and mortar to cure a minimum of 28 days before applying **MAXELASTIC® PUR PRIMER**.
- Drying-time can vary depending on type of substrate, porosity, application method, ventilation and weather conditions. Make a preliminary test on-site to determine drying-time exactly.
- Do not add solvent or any other non-specified compound to **MAXELASTIC® PUR PRIMER**.
- For further information and other uses not specified in this Technical Bulletin consult our Technical Department.

PACKAGING

MAXELASTIC® PUR PRIMER is supplied in two-component pre-weighed sets of 5 kg and 10 kg.

STORAGE

Twelve months in its original unopened packaging, in a dry and covered place protected from humidity, frost and direct sunlight, with temperatures between 5 and 35 °C.

Temperatures below 5 °C may lead the crystallisation of component A and B. 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

MAXELASTIC® PUR PRIMER is not a toxic product but skin and eye contact must be avoided. When mixing and applying, do not work without the protection of rubber gloves and safety goggles. In case of eye contact, rinse immediately with clean water but do not rub. In case of skin contact, wash affected area with abundant water and soap. If irritation persists, seek medical assistance.

Do not inhale vapours from heating or burning. Observe the usual precautions for the handling and the application of this type of products.

For further information, Safety Data Sheet of **MAXELASTIC® PUR PRIMER** is available by request.

Disposal of the product and its empty container must be made by the final user and according to official regulations.

TECHNICAL DATA

Characteristics of the product		
Appearance and colour component A	Clear colourless liquid	
Appearance and colour component B	Clear colourless liquid	
Mixing ratio A:B (by weight)	2:1	
Solid content A+B (% by weight)	100	
Density A+B (g/cm ³)	1,76 ± 0,1	
Application and curing conditions		
Temperature / Relative Humidity, (°C / %)	Ambient:	Substrate:
	8 – 35 / <85	8 – 35 / < 5
Pot Life at 10 °C/ 20 °C/ 30 °C (min)	100 / 45 / 15	
Drying time approx. previous to MAXELASTIC® PUR at 10 °C/ 20 °C/ 30 °C (h)	9 / 5 / 3	
Total curing time at 20 °C (d)	3	
Characteristics of cured product		
Adhesion on concrete at 28 days, ASTM D-4541 (MPa)	> 2,5 (Break of substrate)	
Consumption*		
Consumo per layer (kg/m ²)	0,25-0,30	

(*)These figures may vary depending on the roughness, surface conditions and application method. A preliminary test on-site will determine the coverage 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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