



MAXURETHANE® POOL

TWO-COMPONENT, WATER-BASED, TRANSPARENT POLYURETHANE COATING FOR PROTECTION AND FINISHING OF SWIMMING-POOLS

DESCRIPTION

MAXURETHANE® POOL is a two-component, water-based, transparent, aliphatic polyurethane coating, designed for protection and finish of concrete and cement mortars in swimming-pools, fountains, etc.

Once applied, it provides a transparent protection with good chemical and abrasion resistance, highly resistant to weathering and UV-rays, with long-term color stability and durability, suitable for indoor and outdoor swimming-pools.

APPLICATION FIELDS

- Transparent finish and protection of **CONCRESEAL PLASTERING®/ PLASTERING® REGULAR** in swimming-pools, artificial lakes, fountains, waterfalls, etc.
- Transparent protection and anti-stain finish on other cement-based mortars, concrete, stone, wood, ceramic tiles, etc. when subject to permanent water immersion.

ADVANTAGES

- It protects **CONCRESEAL PLASTERING®/ PLASTERING® REGULAR** and other cement mortars from the chemical agents for water treatment, marine/salty water, etc.
- Resistant to UV rays, providing durability and long-term color stability, no yellowing.
- Allows water vapour diffusion on the surface applied. It does not create vapour barrier.
- Reduces capillarity by water absorption of the substrate treated.
- It provides a dust-free and anti-stain finish, self-cleaning solution. Avoids the growth of algae and fungi on surface. Maintenance-free.
- Withstands a wide temperature range and weathering.

- Excellent adhesion on concrete and cement mortars. No special primer/bonding agent is required.
- Water-based product, solvent-free and non-flammable. Environmental friendly.

APPLICATION INSTRUCTION

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. Surface must be perfectly dry and moisture content should not exceed 5 %. Do not apply on substrates subject to rising damp or negative water pressure.

Concrete and mortars:

It is mandatory to provide substrate preparation by sandpaper slightly the surface of concrete, mortar or **CONCRESEAL PLASTERING®/ PLASTERING® REGULAR** before application, in order to achieve at least a slightly textured surface. Finally, vacuum the dust and loose particles and wash thoroughly.

Static cracks without movement, once opened and routed to a minimum depth of 2 cm, must be repaired with **MAXREST®** (Technical Bulletin No. 27) to provide. Rebars 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

MAXURETHANE® POOL 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, ensuring it is fully added. 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.

Application

Apply **MAXURETHANE® POOL** by brush, roller or air-less spray, in a single coat until saturation of the substrate, with a consumption of 0,15 - 0,2 kg/m². Avoid to over saturating the surface by an excessive consumption that may create drops of the fresh coat applied and changes in the final aesthetic finish.

Application conditions

Do not apply when rain, water contact, condensation or dew is expected within 24 h after application.

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. higher than 90 %. Check relative humidity and dew point before applying in proximities of marine environment. At temperatures above 30 °C, protect application from direct sunlight.

With low temperatures, higher 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. Consequently, and for the evaporation of water contained in the product, if hot air is used, it must come from a dry source (electricity). The hot air from the combustion of gas or oil produces a large amount of moisture that makes it difficult to drying of the coating.

Curing

Allow **MAXURETHANE® POOL** to cure for at least 7 days before flooding test and putting into service. Applications at lower temperatures and/or high humidity require longer drying and curing times.

Cleaning

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

CONSUMPTION

Estimated consumption of **MAXURETHANE® POOL** is 0,15-0,2 kg/m² in a single coat.

IMPORTANT INDICATIONS

- Do not apply on substrates subject to rising damp or negative water pressure. Allow substrate to dry enough after rain, water contact, damp, dew, condensation, etc, as well as after washing surface.
- Do not add solvents, thinners or other non-specified compounds.
- Observe the recommended consumptions per coat. Do not over saturate the substrate by an excessive consumption that may create drops of the fresh coat applied and changes in the final aesthetic finish.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXURETHANE® POOL is supplied in pre-weighed two-component of 25 kg set (24,2 kg for component A and 0,8 kg for Component B), and 5 kg set (4,84 kg for component A and 0,16 kg for Component B).

STORAGE

Twelve months for both components, 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.

SAFETY AND HEALTH

MAXURETHANE® POOL 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.

Consult the Material Safety Data Sheet for **MAXURETHANE® POOL**.

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	
Density for component A at 20 ±2°C, (g/cm ³)	1,10 ± 0,1
Density for component B at 20 ±2°C, (g/cm ³)	1,05 ± 0,1
Density for A+B at 20 ±2°C, (g/cm ³)	1,10 ± 0,1
Application and curing conditions	
Minimum application temperature/ Relative Humidity (°C / %)	>10 / < 90
Curing time for water immersion at 20 °C & 50% R.H., (d)	7
Consumption*	
Single coat application (kg/m ²)	0,15 - 0,20

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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ES045396-1/ES045397-1