



MAXCLEAR®



TRANSPARENT SILOXANE WATER-REPELLENT FOR PROTECTION OF CONCRETE, BRICK AND MASONRY

DESCRIPTION

MAXCLEAR® is a high-quality siloxane-based water-repellent (hydrophobic impregnation) for the transparent protection against rainwater and weathering of concrete, façade mortar, brick, and stone. It is supplied as a solvent-based liquid ready to use by brush or low-pressure spray application.

APPLICATION FIELDS

- Weathering protection and water repellency of architectural concrete, façade mortars and cement fibreboards.
- Invisible protection for brickwork, natural stone, masonry, etc.
- Impregnation on porous ceramic tiles.
- Treatment for porous prefabricated units at factory wherein they are manufactured.

ADVANTAGES

- Provides transparent and invisible protection for substrate treated, leading a hydrophobic area with water repellent effect.
- Allows the substrate to breathe 100%.
- Penetrate deeply into building materials.
- Maintains texture and colour for surface treated.
- Reduces efflorescences and surface salts.
- High alkaline resistance.
- Reduces cleaning costs.
- Not affected by temperature changes.

APPLICATION INSTRUCTIONS

Surface preparation

The surface to be treated must clean, free of dirt, dust, grease, and efflorescence as well as completely dry. All voids, cavities and cracks in substrate must be repaired with **MAXREST®** (Technical Bulletin No. 2) and pointing mortar defects between bricks or blocks can be repaired with **MAXJOINT®** (Technical Bulletin No. 09).

Application

Use a fine hairbrush, roller, or low-pressure spray (0,4 kg/cm²) for application until saturation of the substrate. Apply **MAXCLEAR®** continuously in one or two coats, depending on surface porosity and allowing to dry the first one 2-3 hours before the next one.

Apply each coat with homogeneous consumption, from top to the bottom, avoiding over-saturation or flooded areas on surface by excessive consumption which may cause white spots on the surface

Application conditions

Do not apply with below 5°C or if lower temperatures are expected within 24 hours after application. Do not apply to frozen or frost-covered surfaces.

Do not apply when rain is expected within 24 h after application.

At high temperatures, avoid the application in areas exposed to direct sunlight

Cleaning

Use **MAXSOLVENT®** for cleaning all tools and equipment immediately after application.

Protect glazed or aluminium surfaces against stains in facade works. In case of stains, use **MAXSOLVENT**® for cleaning within the first hour.

CONSUMPTION

Estimated consumption of **MAXCLEAR**® on cement substrates such as concrete and facade mortar is 0,20 - 0,35 l/m² per coat, with a total consumption of 0,4 - 0,7 l/m² in two coats. Porous mineral substrates such as brick, ceramic, stone or tiles, the total estimated consumption is about 0,4 - 1,0 l/m² applied in one or two coats.

These estimative consumptions may vary depending on substrate conditions and application method. A preliminary test on-site will determine the consumption exactly.

IMPORTANT INDICATIONS

- **MAXCLEAR**® must be applied over surfaces totally dry and avoid wetting it within 24 hours after application.
- Do not apply over vitrified, glazed, non-absorbent surfaces or painted substrates.
- Protect metal surfaces, aluminium, aluminium profile, enamelled or painted pieces, glass, wood, etc., as well as plants, vegetation and garden areas covering them completely before application.
- Do not use on limestone surfaces, gypsum substrates or similar material. For these cases, the use of **MAXCLEAR**®-D or **MAXCLEAR**® TOP is recommended.
- **MAXCLEAR**® is a hydrophobic impregnation. It is not suitable for permanent contact with water.
- For other uses not specified on this Technical Bulletin or for further

information, consult our Technical Department.

PACKAGING

MAXCLEAR® is supplied in 5 litres can and 25 litres drum, respectively.

STORAGE

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

SAFETY AND HEALTH

MAXCLEAR® is a flammable liquid, so all normal storage, transport, and handling precautions for these kinds of product should be observed.

Do not smoke while applying or in the area where the equipment or opened drums are situated. Wear protective clothing and glasses, avoid inhaling the vapour, and keep the working area well ventilated. Confined spaces must be provided with auxiliary ventilation. When using in inhabited buildings, make sure that ventilation and air-conditioning devices are switched off.

Safety Data Sheet of **MAXCLEAR**® is available by request.

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

TECHNICAL DATA

Characteristics of the product	
<i>CE Marking, UNE-EN 1504-2</i>	
Description: Hydrophobic impregnation (H) for surface protection of concrete. Principles / Methods. Protection against ingress (1/1.1), Moisture control with coating (2/2.1) and Increasing resistivity by limiting moisture content with coating (8/8.2).	
Appearance	Transparent liquid
Active chemical	Siloxanes
Density, (g/cm ³)	0,87 ± 0,05
Viscosity, Ford Cup No. 4, (s)	12-13
Application and curing conditions	
Application conditions, (°C)	5°C < T < 35°C
Drying time at 20°C, (hours)	<4
Cured product characteristics	
Depth of penetration, EN 1766	Penetration > 10 mm - Class II
Capillary absorption and resistance to alkali, EN 13580	Absorption ratio < 7,5% Absorption ratio < 10% (after alkali dissolution immersion)
Drying rate, EN 13579	> 30% - Class I
Consumption*	
Estimated total consumption, (l/m ²)	
<ul style="list-style-type: none"> • Concrete and façade mortar • Mineral substrates, ceramic, stone, tiles, etc 	0,4 - 0,7 0,4 - 1,0

* Consumption may vary depending on texture, porosity and other conditions for substrate, 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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