



MAXCLEAR® HARDENER

HARDENER AND DUSTPROOFING SEALER FOR CONCRETE SURFACES



DESCRIPTION

MAXCLEAR® HARDENER is a colour-less liquid product based on active chemical compounds which once applied penetrates into the pores of concrete and reacts forming dense and insoluble crystals. Thereby it seals the pores and provides a surface with improved abrasion resistance and an anti-dusting finish.

APPLICATION FIELDS

- Increasing the wearing resistance and imparts a dust-proofing finish for concrete pavements such as industrial floors, parking, hospitals, sport centres, etc.
- Pore filler for complementary waterproofing of concrete floors and screeds.
- Sealing of dusty surfaces and protection of both concrete and cement-based mortars damaged by aggressive atmospheric conditions.

- Surface consolidation for concrete and mortars in order to enhance adhesion prior to paint.
- Manufacturing of prefabricated elements.

ADVANTAGES

- Its sealing effect of **MAXCLEAR® HARDENER** on the surface reduces the porosity and water absorption by capillarity.
- It increases moderately the chemical resistance against oils and greases as well as diluted acid and alkali.
- It reduces the growth of mildew, fungi, and micro-organisms.
- Water-based and one-component product ready to use by brush, broom, roller or sprayed. Environmentally friendly.
- Easier cleaning of the surface treated.
- Economical option and easy application, with no maintenance.

APPLICATION INSTRUCTIONS

Surface preparation

Remove all unsound and loose concrete so that only solid structure remains. Repair all cracks and defects of the substrate with any suitable **DRIZORO®** repair mortar. The surface must be clean, free of all traces of grease, paint, curing compounds or any other film that could inhibit the penetration of the product.

To optimise the absorption of **MAXCLEAR® HARDENER** inside the substrate, it should be applied preferably on dry surfaces.

Application

MAXCLEAR® HARDENER is supplied ready to be applied by brush, broom, roller or sprayed. Spread uniformly the product and fully saturate the surface to ensure maximum absorption. For best performance, a second layer must be applied once it is dry the first one. The waiting time between layers can vary from 4 to 8 hours depending on weather conditions and ventilation.

Keep the entire area protected from rain and traffic for at least 24 hours after the application, and then it can be put into service or painted.

Cleaning tools

The tools and equipment can be cleaned with water immediately after using. Once the product hardens, it can only be removed by mechanical methods.

CONSUMPTION

Estimated consumption is about from 0,15 to 0,30 kg/m² per coat. Apply at least two coats for better protection and performance. These figures may vary depending on substrate conditions and porosity. A preliminary test on-site will determine the consumption exactly.

PACKAGING

MAXCLEAR® HARDENER is supplied in 25 kg plastic jerrycan. Other packaging are available under request.



STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from humidity, and freezing, with temperatures above 5 °C.

IMPORTANT INDICATIONS

- Do not apply with temperatures in the support below to 5 °C.
- Allow 7 days curing time for new concrete before applying.
- To determine the effect on coloured concrete surface, a preliminary test on-site is recommended.
- For further information and other uses not specified in this Technical Bulletin consult our Technical Department.

SAFETY AND HEALTH

MAXCLEAR® HARDENER is an alkaline product, and both rubber gloves and safety goggles must be used to apply it. In case of eye contact, rinse thoroughly with abundant clean water, but do not rub. In case of skin contact, wash affected areas with soap and water. If irritations persists, seek medical attention.

For further information, Safety Data Sheet of **MAXCLEAR® HARDENER** is available by request

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

TECHNICAL DATA

Characteristic of the product		
CE Marking, UNE-EN 1504-2		
Description: Impregnation (H) for surface protection of concrete. Sealer, hardener, and anti-dust finishing for surface concrete		
Principles / Methods. Protection against ingress (1/1.2).		
Appearance	Clear liquid	
Density, (g/cm³)	1,12 ± 0,1	
Viscosity, Ford Cup # 4, (s)	15 ± 0,1	
Flash point	Non-flammable	
Toxicity	Nontoxic	
Application and curing conditions		
Application temperature, (°C)	5°C < T < 35°C	
Curing time at 20°C, (h)	<1	
Characteristic of cured product		
Taber Abrasion Test, ASTM D-4060	Concrete of reference	MAXCLEAR® HARDENER
Weight loss		
(H-22 wheel. Load: 2 kg)	9,9	2,4
500 cycles	6,7	2,1
1000 cycles		
Depth of penetration, EN 1766	Class II: ≥ 10 mm	
Water absorption and water permeability, (kg/m²·h ^{0,5}), EN 1062-3	w < 0,1	
Consumption*		
Estimated consumption per application, (l/m²)	0,15-0,3	

* 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.



DRIZORO, S.A.U.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJÓN DE ARDOZ – MADRID (SPAIN)
Phone. +34 91 676 66 76 - 91 677 61 75 Fax. +34 91 675 78 13
e-mail: info@drizoro.com Web site: drizoro.com

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