



MAXCURE®

CURING AGENT FOR CONCRETE AND MORTARS

DESCRIPTION

MAXCURE® is a water-based milky pure acrylic resin, which sprayed over the surface of fresh concrete or mortar, provides a thin film acting as a protective barrier to prevent an excessive fast drying.

APPLICATIONS

Improves the curing of concrete and mortar used in highways, roads and ramps, airport runways, bridges, concrete roofs and decks, beams and columns, dams and channels, pre-cast units, etc.

ADVANTAGES

- Reduces superficial shrinkage in concrete, thus diminishing the risk of plastic cracks.
- It does not affect the setting time.
- Better curing process ensures that expected mechanical strengths are achieved.
- Increase frost resistance of concrete.
- It does not affect the aesthetic finish.
- Easy to use and economical when compared with other curing methods.
- Its white colour allows visual inspection of the application.
- Environmentally friendly: water-based and solvent-free. It is non-toxic and non-flammable.

APPLICATION INSTRUCTIONS

Application

MAXCURE® is ready for use and can be applied by either manual or air-powered spray mean directly on the surface of concrete or fresh mortar, leading a thin, continuous, and uniform white film. The application will be conducted in two successive coats, being sprayed when the surface has started to become matt (i.e. about 30-120 minutes after pouring of concrete and depending on weather conditions). For precast elements, apply immediately after de-moulding and on wet surfaces.

Cleaning of treated surfaces

Remove **MAXCURE®** from the surface with water jet or fine sand before applying coatings and/or mortars.

Application conditions

Do not apply neither below 5°C nor when such temperatures are expected to drop within the first 3-4 hours after application. Do not apply on frozen surfaces.

Curing

Although the white film of **MAXCURE®** loses its coloration with the time, the curing effect remains for 3 to 4 weeks, disappearing by the traffic exposed and the weathering.

Cleaning

Spraying devices and nozzles must be thoroughly rinsed with water and brush immediately after use. Once hardened, it can only be removed by mechanical means.

COMSUMPTION

Estimated consumption for **MAXCURE®** is about 0,20-0,25 l/m² per coat. In hot weather conditions or intense winds, estimate an increase of about 20-30%.

These figures may vary depending on the roughness and surface conditions. A preliminary test on-site will determine the coverage exactly.

IMPORTANT INDICATIONS.

- Do not apply on waterlogged surfaces or with symptoms of exudation, wait for the surface to acquire a matte appearance
- Observe the minimum and maximum recommended consumptions.
- Make sure that the application is homogeneous over the entire surface to be treated.
- Always spray **MAXCURE®**. Do not use a brush.
- For any application not specified in this technical bulletin or further information is required, consult our Technical Department.

PACKAGING

MAXCURE® is supplied in 20 litre jerrycans and 220 litre drums and 1000 litre containers.

STORAGE

Twelve months in its closed original packaging, in a dry and covered place protected from humidity and frost, with temperatures above 5°C.

Prolonged storage and below the indicated temperatures can cause crystallization of the product and/or increase in its viscosity. In this case, defrost it by heating it slowly to a moderate temperature while gently shaking to restore the product to its original appearance, colour, and texture. Avoid overheating.

SAFETY AND HEALTH

MAXCURE® is not a toxic product but skin and eye contact must be avoided. Use gloves and safety goggles. In case of eye contact thoroughly clean with clean water, but do not rub. In case of skin contact, wash affected areas with water and soap. If irritation persists, seek medical attention.

It is available Safety Data Sheet of **MAXCURE®**. Non-flammable and non-corrosive product. Not classified as dangerous goods for transport.

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

TECHNICAL DATA

Characteristics of the product	
Appearance and colour	Milky liquid
Density (g/cm ³)	1,05 ± 0,05 approx..
pH	9 ± 1
Characteristics of cured product	
Water retention after 72 hours at 32 % R.H. & 38°C, ASTM C-309 (g/cm ²)	0,035
ASTM C-309	
Water loss through liquid membrane-forming curing compounds for concrete ASTM C156, (l/m ²)	0,3 (Meets requirements)
Consumption*	
Consumption, (l/m ²)	0,2-0,25

* Consumption may vary depending on the texture, porosity, and conditions of the substrate, as well as the method of application. Perform an on-site test to find out its exact value.

GUARANTEE

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