



MAXSHEEN®



WATERPROOFING, DECORATIVE AND ANTICARBONATION PROTECTIVE ACRYLIC COATING FOR OUTDOOR USE OVER CONCRETE, MASONRY, RENDER AND PLASTER

DESCRIPTION

MAXSHEEN® is a water-based acrylic coating which provides a high performance and durable coating suitable for waterproofing, protection against carbonation and decoration of façades, concrete structures and masonry. It comes in two finishes: smooth and textured.

APPLICATION FIELDS

- Protection against carbonation on concrete structures, bridges, industrial and residential buildings.
- As a decorative finish with the required texture and colour, over **MAXSEAL®**, **CONCRESEAL® PLASTERING**, and **MAXREST®**.
- Decorative and waterproof coating on concrete surfaces, masonry, render, stone, asbestos cement, plaster ceramic and wood.
- High quality decorative finish for indoor walls.

ADVANTAGES

- Excellent protection against carbonation of concrete. Very high resistance to CO₂ penetration, preventing corrosion of rebars caused by carbonation process.
- Very good adhesion on common building materials.
- Allows substrate to breathe. Permeable to water vapour.
- Waterproof to rain water and withstands weathering.

- Quick drying depending on the temperature and relative humidity.
- It is flexible. It does not crack due to normal temperature changes.
- Excellent resistance to stains and dirt.
- Easy to clean. Just wash with soap and water.
- Wide colour range and two textures of finish.
- Resistant to UV rays. Excellent colour stability.
- Resistant to concrete alkali.
- Easy to apply and high yield.
- Non-toxic and non-flammable.
- Environmentally friendly.

APPLICATION INSTRUCTIONS

Preparation of the surface

The surface to be coated must be sound and clean, free from dirt, remains of paints, efflorescences, greases, oils, as well as de-moulding agents, curing agents or any product which could affect the adhesion. Lime must be completely eliminated. In case of doubt check a preliminary adhesion test on substrate.

On porous or absorptive substrates, gypsum, chalky or dusty surfaces, should be primed with **MAXSHEEN® PRIMER** (Technical Bulletin No. 150) to seal pores and obtain a more cohesive and homogeneous surface.

All surface damages such as defects, cavities, honeycombs, peelings, etc should be treated with repair cement mortar **MAXREST®** (Technical Bulletin No. 02). Remove all concrete around structural

reinforcements affected by corrosion. Clean reinforcements of rust and coat with the oxide converter and anti-corrosive protection **MAXREST® PASSIVE** (Technical Bulletin No 12).

Expansion joints and fissures subject to movements, once opened up and clean, should be treated with a suitable sealant from **MAXFLEX®** range such as **MAXFLEX® 100 LM** (Technical Bulletin No. 65).

Application

MAXSHEEN® is supplied ready to use. Previous to application, stir the content of the packaging in order to get a homogeneous paste and colour uniformity.

MAXSHEEN® can be applied by brush, roller or mechanical means such as air-less spraygun. In that last case, dilute it with the minimum amount of water which allows its spraying.

Concrete, masonry, render, asbestos cement and stone. Apply two coats. The first coat should be diluted in the ratio 5:1 of **MAXSHEEN®**: water. Allow first coat to dry from 2 to 3 hours, depending on environmental and ventilation conditions and then, apply the second coat of pure **MAXSHEEN®**. On porous surfaces, wet the surface and allow excess water to drain away before applying the primer coat.

Gypsum substrates or with high porosity and absorption as well as chalky or dusty surfaces. It is recommended priming with **MAXSHEEN® PRIMER** (Technical Bulletin No. 150), in order to seal pores and obtain a more cohesive and homogeneous surface. Then, two coats of pure **MAXSHEEN®** must be applied.

Expansion joints and fissures subject to movements. Once **MAXFLEX® 100 LM** has cured, the area should be coated with two coats of **MAXSHEEN® ELASTIC** (Technical Bulletin No. 142).

Other substrates and specific situations. Consult our Technical Department.

Application conditions

Do not apply **MAXSHEEN®** below 5 °C or when such temperatures are expected to drop below 5°C within 24 hours after the application. Do not apply the coating on

frozen or frosted surfaces. Do not apply if rain is expected within 24 hours after application.

Cleaning

All the tools and equipments must be cleaned immediately after the application. Once **MAXSHEEN®** cures, can only be removed by mechanical means.

CONSUMPTION

The approximate consumption for smooth version of **MAXSHEEN®** is from 0,4 to 0,6 kg/m² per total application, applied in two coats with 0,2-0,3 kg/m² per coat.

The approximate consumption for textured version of **MAXSHEEN®** is from 0,6 to 0,8 kg/m² per total application, applied in two coats with 0,3-0,4 kg/m² per coat.

These figures may vary depending on porosity and absorption rate of the substrate. A preliminary test on-site is recommended to determine the consumption exactly.

IMPORTANT INDICATIONS

- Avoid rainfalls and water contact within 24 hours after application.
- Do not apply on enameled or vitrified substrates, or treated with water repellent agents.
- Do not apply to frozen surfaces. Do not apply below 5 ° C.
- Do not apply on substrates subject to raising damp, negative water pressure or water immersion.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXSHEEN® is supplied in 5 kg can and 25 kg drum, available in 16 colours: dark grey, light grey, dark green, light green, dark blue, light blue, salmon, white, off-white, buff, cream, bone, brown, adobe, red brick and ivory. It is available in two finishing textures: smooth and textured.

STORAGE

Twenty-four months in its original unopened packaging. It must be stored in a dry and covered place, protected from frost and direct sunlight, with temperatures above 5 °C.

SAFETY AND HEALTH

MAXSHEEN® is non-toxic but skin and eye contact must be avoided. Safety goggles and protective gloves should be used during the

application. In case of skin contact, wash affected areas with soap and water. In case of eye contact rinse thoroughly with clean water but do not rub. If irritation continues, seek medical attention.

Safety Data Sheet for **MAXSHEEN®** is available by request.

The final user must do disposal of the product and its empty containers according to official regulations.

TECHNICAL DATA

Product characteristics	
CE Marking, EN 1504-2	
Description. Coating for protection of concrete. Coating (C). Principles / Methods. Protection against ingress with coating (Principle 1-PI / 1.3), Moisture control with coating (Principle 2 –MC / 2.2) and Increasing resistivity by limiting moisture content with coating (Principle 8-IR / 8.2)	
General appearance and colour	One-component homogeneous colour paste
Application and curing conditions	
Minimum application temperature for substrate and ambient, (°C)	> 5
Waiting time between coats at 20 °C & 50 % R.H., (h)	2-3
Cured product characteristics	
Elongation at break,(%)	78
Permeability to CO ₂ , EN 1062-6 - i (g/m ² ·s) - Thickness of equivalent air layer, S _D (m) - μ	1,038 ± 0,08 385 2,1·10 ⁶
Permeability to water vapour, EN ISO 7783-1/-2. Classification Transmission rate, V (g/m ² ·day)	Class I: S _D = 0,71 m Permeable to water vapour 29,55
Permeability to water and capillary absorption, EN 1062-3. w (kg/m ² ·h ^{0.5})	0,005
Pull-off test, EN 1542 (MPa)	≥ 1,0
Accelerated ageing and UV resistance, ASTM G-53	No alterations
Resistance to washing for 5.000 cycles	No alterations
Consumption*	
Consumption per coat/total application, (kg/m ²) Standard or smooth version Textured version	0,2 - 0,3 / 0,4 – 0,6 0,3 - 0,4 / 0,6 – 0,8

*Consumption will depend on porosity and absorption rate of the surface to be coated.

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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