



MAXSHEEN®

WATERPROOF AND 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 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**, **MAXQUICK** 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.
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- 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.

All surface damages such as defects, cavities, honeycombs, peelings should be filled with a repair mortar. Remove all concrete around structural reinforcement affected by corrosion. These

reinforcements should be cleaned of rust and then, coated with **MAXREST PASSIVE** oxide converter and anti-corrosive protection (Technical Bulletin n° 12). In order to fill the areas, a repair mortar such as **MAXREST** is recommended.

Expansion joints and fissures subject to movements, once opened up and clean, should be treated with a suitable sealant such as **MAXFLEX 100 LM** (Technical Bulletin n° 65).

Application

MAXSHEEN is supplied ready to use. Previous to the 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 spraying gun. In that last case, dilute it with the minimum amount of water which allows applying the product. *Concrete, masonry, render, asbestos cement and stone.* Apply two layers. The first layer should be diluted in the ratio 5:1 of **MAXSHEEN**:water. Allow first layer to dry from 2 to 3 hours, depending on environmental and ventilation conditions and then, apply the second layer of pure **MAXSHEEN**. On porous surfaces, wet the surface and allow excess water to drain away before applying the primer layer. *Gypsum substrates or with high porosity and absorption as well as chalky or dusty surfaces.* It is recommended priming with **MAXSHEEN PRIMER** (Technical Bulletin n° 150), in order to seal pores and obtain a more cohesive and homogeneous surface. Then, two layers 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 layers of **MAXSHEEN ELASTIC** (Technical Bulletin n° 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 the first 24 hours after application.

With warm weather wet the surface several times before applying **MAXSHEEN**. If the temperature is high, **MAXSHEEN** should be applied in the shade

Cleaning

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

COVERAGE

The approximate coverage for smooth version of **MAXSHEEN** is from 0,2 to 0,4 kg/m² per total application, applied in two layers with 0,1-0,2 kg/m² per layer.

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

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

PACKAGING

MAXSHEEN is supplied in 25 and 5 kg drums. It is available in 16 colours (see colour card) and two 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 exposure of sunlight, with temperatures higher than 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

Appearance	Single component homogeneous paste
Density (g/cm ³)	1,25
Time between layer , (h)	2-3
Approximate total coverage*, (kg/m ²) MAXSHEEN SMOOTH MAXSHEEN TEXTURED	0,2/0,4 0,6/0,8
Percent elongation at break, (%)	78
Accelerated ageing, ASTM G-53	No change
Resistance to cleaning 5000 cycles	To washing
Permeability to water vapour diffusion (g/m ² ·d)	240
Resistance to CO ₂ diffusion R (m, equivalent layer of air) d _{CO2} (m/s)	505 0,030x10 ⁻⁶

*Coverage 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 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.



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