



MAXSHEEN®
ELASTIC

WATER-BASED ELASTIC WATERPROOF COATING FOR CONCRETE AND MASONRY

DESCRIPTION

MAXSHEEN ELASTIC is a water-based pure acrylic product, which provides an elastic and waterproof durable coating for protection and decoration of façades and outdoor structures on common substrates in construction such as concrete, render, stone, plaster, etc.

APPLICATION FIELDS

- Protection of concrete structures against carbonation in bridges, industrial areas, residential buildings, etc.
- Waterproofing against rain water and decorative finish protection against freeze-thaw cycles, marine environment, pollution, etc in façades and architectural concrete.
- Over MAXSEAL, MAXSEAL FLEX, CONCRESEAL PLASTERING, MAXREST in order to achieve the required texture and colour.
- Waterproofing and restoration of cracks and fissures on façades.

ADVANTAGES

- Excellent protection against carbonation of concrete. Very high resistance to CO₂ penetration, preventing corrosion of rebars caused by carbonation process.
- Water vapour permeable, it allows substrate to breath.
- It is elastic and provides very good crack-bridging capability.
- Great ultimate elongation. Withstands movement of the substrate in a wide temperature range.
- Very high adhesion over general building materials.
- Excellent resistance to stains and dirt.
- Excellent colour stability and UV-rays resistance.
- Alkali resistant.
- Easy to apply and clean up.
- Non-toxic and non-flammable.
- Environmentally friendly.

APPLICATION INSTRUCTIONS

Surface preparation.

The surface to be painted must be clean and free from dirt, grease, dust, oils, efflorescences, old coatings, etc. Lime must be completely eliminated. Allow 28 days of curing time for new concrete and renders. For 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.

All surface damages such as defects, cavities, honeycombs, peelings should be filled with a structural repair mortar. Remove all concrete around structural reinforcement affected by corrosion. These reinforcements should be cleaned of rust and scale 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** (Technical Bulletin n° 04) is recommended.

Application.

MAXSHEEN ELASTIC is packaged ready for use. Stir paint well and use exactly as it comes from the drum. MAXSHEEN ELASTIC can be applied by brush, spray or roller.

Over concrete, masonry, render, asbestos cement and stone. Apply two coats. The first coat should be diluted in the ratio 5:1 of MAXSHEEN ELASTIC and water. This coat is applied as a primer and once it is tack-free, 2-3 hours depending on the ambient conditions, a second coat of pure MAXSHEEN ELASTIC is applied.

Over plaster. The primer coat should be prepared adding 30% of water to MAXSHEEN ELASTIC. Allow to dry and then apply a second coat of pure MAXSHEEN ELASTIC.

Expansion joints and fissures subject to movements. Once it is opened up and clean, fill with a suitable sealant such as MAXFLEX 100 LM (Technical Bulletin n° 65) and let cure. Then apply a first coat of MAXSHEEN ELASTIC and spread a strip of glass fibre (6-8cm wide) of at least 50gr/sqm. Once it is dry, apply a second coat of MAXSHEEN ELASTIC uniformly.

Cleaning.

Clean all tools with water immediately after use. Once it dries, can only be removed by mechanical methods.

Application conditions.

With warm weather wet the surface several times before applying the two coats of MAXSHEEN ELASTIC. If temperatures are very high, we recommend that MAXSHEEN ELASTIC should only be applied over the shade areas.

Do not apply below 5° C or if lower temperatures are expected within the 24 hours after application. Do not apply if rain is expected within the 24 hours after application.

COVERAGE

The approximate total coverage applied in two coats of MAXSHEEN ELASTIC is from 0,4 to 0,6 kg/m². This coverage can vary depending on porosity and absorption rate of the surface. A preliminary test on-site is recommended to determine the consumption exactly.

PACKAGING AND COLOURS

MAXSHEEN ELASTIC is packaged in 25 kg. and 5 kg. plastic drums. It is available in white colour and other colours by special request.

STORAGE

Twenty four months in its original unopened packaging, in a dry and covered place, protected from frost and with temperature above 5 °C.

SAFETY AND HEALTH

MAXSHEEN ELASTIC 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 ELASTIC** is available by request.

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

TECHNICAL DATA

Appearance	Homogeneous paste
Density	1,3 gr/cm ³
Viscosity Brookfield (at 25°C)	22.000 mPa.s
Drying time (at 25°C)	2 - 3 hours
Approximate total coverage*	0,4 – 0,6 kg/m ²
Elongation at break, UNE-EN 527/3	290 %
Tensile strength, UNE-EN 527/3	8,1 kg/m ²
Adhesion on concrete, ASTM D-4541	24,1 kg/cm ²
Permeability to water vapour diffusion, UNE-EN ISO 7783	
- Sd	0,17 m
- μ	1088
Resistance to carbon dioxide diffusion, H. Klöpfer Method	
- R (equivalent layer air thickness)	695 m
- d _{CO2} ,	0,022x10 ⁻⁶ m/s

*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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