

FLOORING Coating Product

Epoxy Paints

Morapoxy 511

High Mechanical and Chemical Resistance, Coloured Epoxy Coating for Walls and Floors.

Description:

is a coloured high quality solvent free two components epoxy coating based on liquid epoxy resin, selected pigments, additives and a formulated amine hardener.



Fields of Use:

- ✚ Coating for walls, screeds and flooring subjected to the actions of chemicals and severe conditions e.g. walls and flooring of chemical plants, workshops, distilleries, laundries, abattoirs, garages, nuclear power stations, stores.
- ✚ Coating for bridges and road structure, water and sewage plants.
- ✚ Coating of steel tanks, pipes, machines and all steel structures that are subjected to the actions of chemicals or severe conditions.
- ✚ Can be applied on wooden, cement and plastered surfaces.

N.B:

Epoxy paints are resistant to chemicals and friction but when exposed to ultraviolet radiation, some color changes occur only while retaining chemical and mechanical resistance.

Advantages:

- ✚ Waterproof and resistant to salts, dilute acids, alkalis and a wide range of different chemicals and solvents.
- ✚ Adheres firmly to metallic and concrete surfaces.
- ✚ Easy to apply without special tools.
- ✚ Available in several attractive colours (upon request).
- ✚ Anti-fungus and anti-bacteria.
- ✚ Has no harmful effect.

TECHNICAL INFORMATION:

Shore D Hardness	~76 (7 d / +23 °C)	(DIN 53 505)
Abrasion Resistance	~41 mg (CS 10 / 1000 / 1000) (8 d / +23 °C)	(DIN 53 505)
Compressive Strength	Resin (filled 1 : 0.9 with F34): ~ 61.4 N/mm ² (28 d / +23 °C)	(EN196-1)
Tensile Strength in Flexure	Resin (filled 1 : 0.9 with F34): ~20 N/mm ² (28 d / +23 °C)	(EN 196-1)
Tensile Adhesion Strength	> 1.5 N/mm ² (failure in concrete)	(ISO 4624)

Chemical Resistance	Resistant to many chemicals. Contact Alamoudi Technical Department for specif - ic information	
Chemical Resistance (Saso Gso En 14688 :2011)		
Citric acid solution, 100 g/l.	No Visible effect.	
Sodium hypochlorite (NaOCl), 20 g/l.	No Visible effect.	
Stain Resistance (Saso Gso En 14688 :2011)		
Methylene Blue 1 % m/m	No Visible effect.	
Sodium Chloride (NaCl), 170 g/l	No Visible effect.	

Temperature Resistance:

Exposure	Dry heat
Permanent	+50 °C
Short-term max. 7 d	+80 °C
Short-term max. 12 h	+100 °C

Directions for Use:

- ✚ The surface should be dry and cleaned from dust, oil, grease and loose particles.
- ✚ It is recommended to apply a primer coat of Mora epoxy sealer for concrete surfaces, and before coating with Mora epoxy511.
- ✚ Mix well the two components of Mora epoxy511 using a slow speed mixer (300 r.p.m. maximum).
- ✚ Coating is applied using brush, roller or sprayer.
- ✚ Apply one or more coats of Mora epoxy511 according to the thickness required.
- ✚ At least 18 hours should elapse between successive coats.
- ✚ Mora epoxy511 gives smooth and polished surface.
- ✚ To obtain a skid - resistant surface, a layer of fine sand (0.2-0.7mm. diameter at a rate of 1 kg/m²) is sprinkled on the primed surface, or on the first coat while still wet. Then apply the final coat of Morapoxy511 at a rate of 400 - 800 gm/m².
- ✚ Clean tools by MORASOLV 1.
- ✚ N.B. To avoid color deviation from one patch to another, only use the same patch number in the same area.

Safety Precautions:

- ✚ Application should be carried out in well ventilated place.
- ✚ Gloves, protective clothing and eye goggles should be worn during application.
- ✚ Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.
- ✚ If the material is splashed into the eyes, they should be immediately washed with water and then report to an eye specialist.
- ✚ Do not eat or smoke during application.

Storage:

2 years under suitable storage conditions in closed containers.

**Packages:**

Kits (A+B) 11.79 kg and 3.21 kg.

Follow the mixing ratios - by weight - indicated on the package.

