

XCHEM TECHNICAL DATA SHEET

FORTCOAT X 300 EPOXY ALUMINIUM COATING

DESCRIPTION

Fortcoat X 300 Epoxy Aluminium Coating is an aluminium-based, two-component, epoxy-coating of high viscosity that can be applied using a brush.

KEY PROPERTIES

- Fortcoat X 300 Epoxy Aluminium Coating has excellent adhesion to metal, concrete, wood and ceramic surfaces.
- Fortcoat X 300 Epoxy Aluminium Coating is rust, chemical, mild acid and alkali resistant.
- Surfaces coated with Fortcoat X 300 Epoxy Aluminium Coating have high-abrasion resistance.
- The Fortcoat X 300 Epoxy Aluminium Coating product is a fast-drying solution that adheres exceptionally well to aluminium surfaces.

KEY APPLICATIONS

- Fortcoat X 300 Epoxy Aluminium Coating performs exceptionally well when used as a protective coating (on metal surfaces) against rust and chemical corrosion.
- Due to its good adhesive properties, Fortcoat X 300 Epoxy Aluminium Coating, can be used to both protect, decorate and coat wooden, ceramic and concrete surfaces.

DIRECTIONS FOR USE

- Ensure that all surfaces to be coated are strictly free from dust, rust, grease, moisture, oils and deposits of any form.
- Surface preparation on steel and other metal surfaces can be achieved by sand-blasting, solvent-cleaning, acid-pickling etc.

- A poorly prepared surface will result in poor adhesion, peeling and softening of the system.
- Priming is not a requirement when using the Fortcoat X 300 Epoxy Aluminium Coating system. However better adhesion can be obtained if an aluminium-based primer is used prior to application of the product.
- The two components are mixed in the ratio:

Resin	1 parts by weight	OR
Hardener	1 part by weight	
Resin	1 part by volume	
Hardener	1 part by volume	
- Both resin and hardener should be thoroughly stirred independently before mixing.
- The two components should be mixed together using the specified ratios by mass or volume.
- Once a homogeneous mixture is obtained apply the product using a brush.
- Due to its fast setting nature, the Fortcoat X 300 Epoxy Aluminium Coating mixed system must be utilized within 60 minutes to prevent bulk setting.
- Brushes should be rinsed lacquer thinners to prevent hardening of the bristles (due to the epoxy's chemical reaction).

TECHNICAL DATA

- **Surface Coverage** : 5.0m²/l
- **Pot Life** : 60 to 70mins
- **Full Cure Time** : 20 to 24hrs
- **Viscosity** : Resin - 0.98pa.s
: Hardener - 0.62pa.s

XCHEM

TECHNICAL DATA SHEET

FORTCOAT X 300 EPOXY ALUMINIUM COATING

STORAGE AND STABILITY

- Fortcoat X 300 Epoxy Aluminium Coating has a 12 months shelf life if kept in tightly-closed containers, in its original packaging, under cool and dry conditions.
- In extreme conditions this period might be shortened.
- Protective clothing should be worn when using Fortcoat X 300 Epoxy Aluminium Coating.
- The product is highly flammable. Do not smoke while handling the product and do not expose the product to open flames.
- Dispose of discarded packaging and unused material according to local regulations.

SAFETY PRECAUTIONS

- Protective clothing/gloves should be worn when handling the Fortcoat X 300 Epoxy Aluminium Coating product.
- Normal industrial hygiene should be practiced during handling.
- Ensure good ventilation or alternatively wear a protective mask whilst using the product to avoid inhalation.
- In case of skin contact immediately wash the affected area with warm soapy water.
- In case of eye contact immediately rinse the affected eye(s) with clean water. **Immediately** contact a doctor.
- Keep away from children and pets.
- Harmful if swallowed. In case of any ingestion, drink 3-5 glasses of water, do not induce vomiting and contact a doctor immediately.

*The data and recommendations concerning this product are the result of extensive XCHEM laboratory testing and experience. As the use of the product is beyond our control, no warranty is expressed or implied and the customer should satisfy him/her self as to the suitability for this particular application.



Tel (012) 661 77 11
Fax (012) 661 77 22