

Series 9000

Phenolic Epoxy Powders

General Description:

9000 series Phenolic Epoxy Powders are powders designed to provide maximal anticorrosive resistance. These powders are highly adhesive, flexible and impact resistant. Phenolic Epoxy powders are also durable to long exposures to heat and hot water. The 9000 series phenolic epoxy powders are suitable for thick application of over 100 micron (4 mils).

Typical Use:

9000 series phenolic epoxy powders are suitable for being in contact with drinking water (including hot water) and food. These powders are designed for internal application in gas, oil, petroleum, water or other liquids' pipes, as well as food barrels, electrical and irrigation equipment, as foundation layer for a two-layered anticorrosive system.

Specifications:

Properties	Test Method	Value
Impact	ASTM D2794	80 kg.x cm.
Flexibility	ASTM D1737	180°, 3 mm
Adhesion	ASTM D3359	100%, GT=0
Salt Spray	B117	> 1500 Hours
Humidity Resistance	ASTM D2247	> 1500 Hours
Durability in boiling water	2 hours	100%, GT=0

All test, unless noted otherwise, were performed on R-46 Steel panels
Panels electro statically sprayed at around 3 mils (70 ± 5 microns)

Stoving conditions:

1. Metal temperature (MTP) 200°C (392° F) – 10 minutes
2. Metal temperature (MTP) 190°C (374° F) – 15 minutes

Storage:

Powder coatings tend to absorb moisture, and therefore it must be stored in sealed containers after use. They must also be kept away from sources of heat and direct sunlight. The powder's shelf life expectancy is 12 months, at a temperature of 25°C (77° F), at a relative humidity below 60%.

Precautionary Measures:

It is recommended that the areas surrounding the site where coating takes place be properly ventilated. The powder's particles cause irritation of the respiratory tract; the inhalation of the powder must therefore be avoided. In case of contact with the skin, wash with water and soap. In case of contact with the eyes, wash with water immediately and seek medical help. A mask, gloves and protective glasses must be worn while working with powdered paint. All equipment must be grounded in order to avoid the build-up of static electric current.

General notes:

what is specifically recommended in this sheet should not be considered a substitute for consultation when formulating specifications for a specific project. All the data and recommendations contained in this sheet are based on inspections, knowledge and experience accumulated in our lab and on the ground, and they are most reliable. We claim no responsibility, implied, or otherwise. We are solely responsible for the product quality; users must verify whether it suits their specific requirements. The information contained herein is liable to modification without advance notice.

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