

Series 8000

Epoxy Polyester (Hybrid) Powder

General Description:

Epoxy Polyester powder of the 8000 Series is intended to be used for interior applications. Powders of this type have excellent mechanical qualities and a high anti-corrosive durability. Epoxy Polyester powder of the 8000 Series is produced in a variety of color shades, gloss levels and metallic effects. Epoxy polyester powder is designed to create a film thickness of 60 – 80 microns (about 2.4-3.2 mils), to achieve smooth decorative coating.

Typical Applications:

Epoxy Polyester powder of the 8000 Series are intended for coating metal furniture, refrigerators, electrical distribution boards, shelves for light and heavy storage, advertising boards and more.

Specifications:

Properties	Test Method	Value
Specific Gravity	ASTM D5965	1.5 – 1.7 g/cc
Gloss (60°)	ASTM D523	20-85 gloss units**
Impact Resistance	ASTM D2794	80 INCH-POUNDS
Elasticity	ASTM D522	Up to 180°, 3 mm
Pencil Hardness	ASTM D3363	3H
Adhesion	ISO 2409	GT = 0, 100%
Salt Spray	ASTM B117	1000 hours plus
Humidity Resistance	ASTM D2247	1000 hours plus

* If not indicated otherwise, all tests were carried out on plates of the R-46 type, at a film thickness of 60–80 microns

** Available for a variety of gloss levels. Changes in the mechanical qualities are possible.

Stoving conditions:

1. Metal temperature (MTP) 200°C (392° F) – 15 minutes
2. Metal temperature (MTP) 190°C (374° F) – 18 minutes
3. Metal temperature (MTP) 180°C (356° F) – 8 minutes (for fast curing products)

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.