

Series 7300 Powder 15 Super Durable For Improved Durability

General Description:

Polyester Powders 15 Super Durable of the 7300 series are pure polyester powders based on thermosetting resins which have high UV resistance, and comply with Qualicoat Standard Class 1.5 for improved durability. Polyester Powders 15 Super Durable provide solutions for most RAL shades.

Typical applications:

Typical applications include aluminum profiles, curtain walls, exterior doors, backyard furniture, electrical poles and enclosures.

Specifications:

Properties	Test Method	Value
Specific Gravity	ASTM D5965	1.5 – 1.7 g/cc
gloss (60°)	ASTM D523	20-35
Impact Resistance	ASTM D2794	22 INCH-POUNDS
Elasticity	ASTM D522	180°, 6 mm
Pencil Hardness	ASTM D3363	2H
Adhesion	ISO 2409	GT = 0 100%
Salt Spray	ASTM B117	> 1500 hours
Humidity Resistance	ASTM D2247	> 1500 hours
Accelerated Weathering UVA	ASTM G154	2000 hours

All tests were carried out on aluminum plates of the AL-36 type, at a film thickness of 60-80 microns(2.5 mils)

Curing Temperatures:

At Metal Temp. of 392° Fahrenheit (200°C) - 10 minutes.
At Metal Temp. of 374° Fahrenheit (190°C) - 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.

Update: 8/16