

Series 7000

Polyester Powders

General Description:

Polyester Powders of the 7000 Series are intended to be used for interior and exterior applications. Pure polyester powder excels through a high exterior resistance (UV), good mechanical properties and an excellent resistance to over baking. Pure polyester powder is applied at a film thickness of 60 – 80 microns. The powder is also available in texture and granular finishes (7400 series) as well as in combinations of metallic and pearl luster effects (7500 series).

Typical Applications:

Aluminum profiles, screen walls, garden furniture, lamp posts, fences, metal constructions and more.

Specifications:

Properties	Test Method	Value
Specific Gravity	ASTM D5965	1.2 – 1.7 g/cc
Gloss (60°)	ASTM D523	50 – 95 gloss units
Impact Resistance	ASTM D2794	50 INCHxPOUNDS
Elasticity	ASTM D522	180°, 3
Pencil Hardness	ASTM D3363	2H
Adhesion	ISO 2409	GT = 0
Salt Spray	ASTM B117	+ 1000 hours
Humidity Resistance	ASTM D2247	+ 1000 hours
Accelerated Weathering	ASTM G154	1000 hours
Florida Test		1 year

- Available at a gloss level of 5 – 90, with possible changes in the mechanical properties depending on gloss.
- All tests were carried out on aluminum plates of the AL-36 type, at a film thickness of 65 - 75 microns.

Stoving conditions: (object temperature)

1. Metal temperature (MTP) 200°C (F 392°) – 10 minutes
2. Metal temperature (MTP) 180°C (F 356°) – 15 minutes

Storage:

Powder Should 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 (F 77°) at a relative humidity below 60%.

Powder coating tend to absorb moisture, and therefore it must be stored container once opened or used.

Precautionary Measures:

It is recommended that the areas surrounding the site where coating takes place be properly aired. 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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