

Series 7700

Polyester Powders Super Dur 20

General Description:

Super Durable Polyester Powders of the 7700 series are pure polyester powders that are manufactured with the most advanced technology, providing a coating with an exterior durability of the highest level. Super Dur polyester powders enable a prolonged exterior exposure to UV irradiation without damage to the surface while preserving the original quality of gloss and hue of color. Super Durable Polyester Powders create a hard surface which guarantees its resistance under varying environmental conditions. This series of products meet the requirements of AAMA 2604 and Qualicoat class II

Typical Applications:

Aluminum profiles, curtain walls, exterior lighting posts, car parts, metal roofs.

Specifications:

Properties	Test Method	Value
Specific Gravity	ASTM D5965	1.2 – 1.5 g/cc
Gloss (60°)	ASTM D523	35/90 gloss units
Impact Resistance	ASTM D2794	22 INCH-POUNDS
Elasticity	ASTM D522	180°, 6 mm
Pencil Hardness	ASTM D3363	Up to 2H
Adhesion	ISO 2409	GT = 0,100%
Salt Spray	ASTM B117	3000 hours
Humidity Resistance	ASTM D2247	3000 hours
Accelerated Weathering	ASTM G154	3000 hours
Florida Test		3 year
**TABER - Erosion	ASTM D4060	Lower than 75 mg

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

** 1000 cycle rounds, 1 kg stress – paper 17SC

Curing Temperatures:

Metal temperature (MTP) 200°C – 10 minutes

Storage:

Powder coating tend to absorb moisture, and therefore it must be stored in a sealed container once opened or used. Also, it must be kept away from sources of heat and direct sunlight. The powder's shelf life expectancy is 6 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. Inhalation of 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 build-up of static electric current.

General notes:

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