

PRODUCT DATA SHEET

Manifa PY 44 Series Polyester Powder Coatings

Product Description

Manifa PY 44 series product is a polyester TGIC powder designed to provide excellent weather resistance, excellent mechanical properties, storage stability and gloss level from 30 to 98%. Product is available in smooth, structured and textured finish and can be used for interior and exterior use.

Application Areas

Product can be applied on ferrous and non-ferrous substrate like aluminum extrusion, automotive parts, air conditioners, electrical equipments, steel furniture, refrigerators, appliances and scaffoldings.

Substrate Preparation

Substrate should be free from grease, oil, dirt, fingerprints, drawing compounds and any contaminants. Use of conversion coating like chromating, zinc/iron phosphating prior to powder application is strongly recommended.

Curing Schedule

Object temperature 200°C for 10 minutes or 180°C for 15 minutes.

Storage Conditions

Product to be stored below 25°C and 65% maximum relative humidity. Shelf life is 12 months from the date of manufacturing.

Product Properties	Reference Standard	Result
Adhesion	ISO 2490	GT0; No loss of adhesion
Impact resistance	ASTM D 2794	60 inch pound
Flexibility	ISO 1519	5mm without crack
Salt spray resistance	ASTM B 117	1000 hrs pass
Humidity resistance	DIN 50017	1000 hrs pass
UV resistance	ASTM G 154	300 hrs pass

The technical data provided above are tested on 0.8mm zinc phosphate cold rolled steel panels and coating thickness of 60-90 microns.

Note:

The information on this Product Data Sheet is given to the best of our knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, only the quality of the product itself can be guaranteed. Manifa Paints and Powder Coatings reserves the right, without notice, to alter or change the content of this Product Data Sheet.