

WHEELPAINTS

Specialist Paints for the Alloy Wheel Industry

PRODUCT INFORMATION

Crystal Clear Powder 52-00-31P

This is a Polyester powder that has been formulated to give hard durable finishes with very good mechanical, light and weather resistance properties.

Type of Finish:

- Smooth
- Leatherette
- Texture
- Stipple
- Hammer
- Metallic
- Toy Regulation

Gloss:

- Full Gloss 90+/-5 @ 60
- Semi-Gloss 60+/-5 @ 60
- Satin 30+/-5 @ 60
- Matt 15+/-5 @ 60

Specific Gravity

1.2 – 1.80 depending on colour and type.

Coverage

10 – 12 sq. mts/kg depending on colour and type

Curing Schedule

10' @ 200 deg C (Metal Temperature) standard cure

10' @ 180 deg C (Metal Temperature) Low cure

Mechanical Properties

All tests are carried out on degreased iron phosphate steel panels with a coating thickness of 60um.

Cross Hatch (1mm squares) – No loss of adhesion

6mm Mandrel Bend (BS 3900 E1) – No loss of adhesion

Impact test (BS 3900 E7) – 40-60Kg/cm depending on colour and type

Pencil Hardness – 1H-4H depending on colour and type

Resistance

Salt Spray – More than 1000 hours with corrosion creepage less than 2mm from scribe

Humidity (BS 3900 F2) – 1000 hrs No effect

Water Soak (40 deg C) – 1000 hrs No effect

Storage

12-18 months shelf life when stored in dry conditions below a temperature of 25 deg C.

Application

By Conventional corona discharge.

Typical Applications

Architectural Aluminium

Building Products

Domestic Appliances

Radiators

Automotive Components

Electrical Components

Many other areas where excellent heat and light stability are required

Properties

Recommended for exterior use