



OXYHIN SDN. BHD. (393471-X)

HQ: LOT 1, JALAN 13/3, 46200 PETALING JAYA,
SELANGOR DARULHEHSAN, MALAYSIA.

TEL: 03-79565599, 79586636 | FAX: 03-79565232, 79565799

E-MAIL: oxyhin@streamyx.com | WEBSITE: www.oxyhin.com.my

BR: 968, JLN PERUSAHAAN, KWS. PERUSAHAAN PERAI,
13600 PERAI, PENANG, MALAYSIA.

TEL: 04-3971233, 3971488 | FAX: 04-3901266

E-MAIL: oxyhinpg@streamyx.com

TECHNICAL DATA SHEET

OXYPLAST METALLIC FINISH POWDER COATING

OXYPLAST Metallic Finish powder coatings are highly decorative finishes available in any of the OXYPLAST powder types ie. epoxy, polyester and epoxy-polyester. Polyester-based metallic finishes used outdoor must be protected by a clear-coat (such as OXYPLAST PR280) to preserve their decorative appearance. Metallic finish will show different colour at different viewing angle. Besides, it will also have higher colour difference rate from batch to batch compared to normal solid colours. The colour change depends very much on the oxidation rate of the metallic pigment. Due to its natural behaviour, this is a non-recyclable coating powder.

GLOSS, FINISH TYPE AND COLOUR RANGE

Gloss levels range from matt to high gloss depending on the grade.

Smooth, flat metallics or sparkling metallics are available.

Colours may be matched upon request; no full colour range is available.

APPLICATION SCHEDULE

May be applied by electrostatic spraying using classic devices, which can provide a negative tension of 60 – 80 kV. The powder is cured in a suitable convection or infra red oven, the curing schedule depending on the grade.

Optimal film thickness : 60 – 80 μ m

The metallic finish obtained is thickness-dependent. Excessively thin or thick films will not give a satisfactory finish.

SUBSTRATES AND PRE TREATMENT

May be applied to the following substrates after the appropriate cleaning and conversion coating:

Ferrous metals : Iron or zinc phosphatation
(cold rolled steel, cast iron etc.)

Zinc surfaces : Chromatation or zinc phosphatation
(galvanised steel, zinc alloy)

Aluminium alloys : Chromatation

STORAGE

At temperatures not exceeding 30°C and under dry condition, Metallic Finish powders may be stored for up to 6 months without affecting their free flowing properties. The coating thus will still have optimal characteristics.