



JINHU COLOR POWDER COATING CO.LTD

TEL :+86-25-57909280 | 57909686 FAX :+86-25-57909686
Office@ChinaPowderCoating.com www.ChinaPowderCoating.com

TECHNICAL DATA SHEET

LOW CURE HYBRID POWDER COATING

(FH-LH)

INTRODUCTION

FH-LH is low cure thermosetting powder coating based on epoxy and polyester resins for interior use, especially formulated with excellent finish, good flow and overbake yellowing resistance and mechanical properties. Smooth and texture finish is available .

APPLICATION AREA

- Home domestic appliances such as microwave ovens, refrigerators, home and office furniture
- Medium industrial electrical trunkings, shelvings, light fixtures, machinery etc.

GLOSS AND COLOR RANGE

- Gloss levels range from 60 % to 90% at 60° .
- Full color range is available.

APPLICATION SCHEDULE

- Applied by electrostatic spraying gun that can provide negative tension of 60-80 kV.
- Curing schedule :10 minutes at 160°C (metal temperature)
- Optimal film thickness : 60 -90 um

POWDER PROPERTIES

- Specific gravity : 1.28 - 1.75 (depend on colors)
- Particle size distribution(Laser Particle size analyser) :Less than 5% above 100 um
50 – 65% above 32 um :

Average particle size : 35 - 45um

COATING PROPERTIES

- Film thickness (ISO 2178) : 60 - 90 μm
- Gloss (ISO 2813, 60°) : 60 to 90%
- Adhesion (ISO 2409) : GT= 0
- Pencil hardness(ASTM D3363) : HB – 2H
- Direct and reverse impact (ASTM D2794) : > 50kg.cm
- Chemical Resistance:Resistant to some common inorganic acids, bases and salts, organic acids and solvents.



JINHU COLOR POWDER COATING CO.LTD

TEL :+86-25-57909280 | 57909686 FAX :+86-25-57909686
Office@ChinaPowderCoating.com www.ChinaPowderCoating.com

SUBSTRATES AND PRE-TREATMENT

In order to obtain optimal anti-corrosion properties, it is recommended to apply a chemical pretreatment prior to powder coating application.

- Ferrous metals(cold rolled steel, cast iron etc.): Iron or zinc phosphatation
- Zinc surfaces(galvanized steel, zinc alloy) : Chromatisation or zinc phosphatation
- Aluminum alloys : Chromatisation

STORAGE

- Should be stored under dry conditions with good ventilation at a temperature not exceeding 30 C.
- Storage period recommended should not exceed 6 months,in case exceeding 6 months without affecting their free flowing properties, the powder will still have optimal characteristics.
- Should be protected from excessive heat,humidity,water and contamination with foreign materials such as powder, dust, dirt, etc.
- Any leftover powder should be kept in an appropriate area that is cool and dry. Do not expose to the air too long as the powder properties may deteriorate with the moisture.