



## OXYHIN SDN. BHD. (393471-X)

HQ : LOT 1, JALAN 13/3, 46200 PETALING JAYA, SELANGOR DARUL EHSAN, MALAYSIA.  
 TEL: 03-79565599, 79586636 FAX: 03-79565232, 79565799  
 E-MAIL: oxyhin@streamyx.com WEBSITE: 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



## OXYPLAST FF62 SERIES

### Low Cure Epoxy – Polyester Powder Coating

#### DESCRIPTION

**OXYPLAST FF62** is low cure thermosetting powder coating developed based on epoxy and polyester resins for internal use.

**OXYPLAST FF62** is especially formulated with superior finishing and having very good flow and overbake yellowing resistance and mechanical properties.

**OXYPLAST FF62** is utilized in a wide range of indoor applications range from home domestic appliances such as refrigerators, microwave ovens, home and office furniture to medium industrial electrical trunkings, light fixtures, shelvings, machinery etc.

#### PRODUCT FINISH

**OXYPLAST FF62** is available in smooth and textured finishes.

#### GLOSS FINISH

For smooth finishes, gloss range from 60 – 90 % at 60° angle.

#### COLOUR SELECTION

A full colour range is available.

#### PROPERTIES

##### OF THE POWDER

- **Density (g/cm<sup>3</sup>)** (DIN 55990/3) 1.28 – 1.65 (depending on colour)
- **Particle size distribution** (laser diffraction)
 

% above 100µm	: Less than 5
% above 32µm	: 50 - 65
Average size, µm	: 35 - 45
- **Shelf life** 6 months shelf life.
- **Storage Condition** Dry cool area; max. Temperature at 25°C  
Max. Relative Humidity at 60%
- **Application** With Corona gun / Film thickness: 60 – 80 µm
- **Curing Schedule** 10 minutes at 160°C (metal temperature)

#### MECHANICAL

##### PROPERTIES OF

##### THE COATING

- **Film thickness** (ISO 2360) 60 - 80µm
- **Colour** - Coloured Powder
- **Flow Out** (Visual comparison) Depending on finishing
- **Gloss** (ISO 2813; 60°) 60 to 90%
- **Adhesion** (ISO 2409; 2mm spacing) GT = 0
- **Pencil Hardness** (ASTM D3363 – Staedtler) HB – 2H
- **Cylindrical Mandrel** (ISO 1519) Diameter 4mm: No cracks
- **Impact (Reverse)** (ASTM D2794; 5/8" Ball) > 65 kg.cm
- **Heat Resistance** (30 minutes at 160°C) Good

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**CHEMICAL  
RESISTANCE**

**OXYPLAST FF62** is resistant to some common inorganic acids, bases and salts, organic acids and solvents.

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**ANTICORROSION  
PROPERTIES**

In order to guarantee an optimal adhesion as well as a good corrosion protection, an adequate surface treatment – depending on the substrate – must be applied:

- Steel (indoor) : iron phosphate amorphous
  - Steel (outdoor) : zinc phosphate crystalline  
or better : tri-cationic phosphatation
  - Galvanized Steel (Zinc) : chromatisation, or better: tri-cationic phosphatation
  - Metallized Steel : -
  - Aluminium : chromate treatment (DIN 50939) or Qualicoat-certified  
chromium-free pre-treatment
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*This information is given in good faith. A warranty, expressed or implied, cannot be supplied as results may vary depending on application conditions.*