



Epoxy Polyester Powder

Introduction:

A high performance product for interior use, classified during manufacture and recommended for use where good chemical and detergent resistance is needed, combined with excellent decorative appearance and ease of application. Products for Tribo application and metallic finishes can be manufactured on request. (See separate technical information sheet for metallic finishes).

Colour:

Wide range ex-stock or to customer's requirements.

Gloss Level:

Full gloss: 85%+ @ 60°

Semi-gloss: 50-80% @ 60° or to customer's requirements.

Semi-matt: 20-40% @ 60°

Matt: 10-20% @ 60°

Film Properties:

		Gloss/Semi-gloss	Semi-matt/Matt
Adhesion	BS3900 E6	- No detachment	No detachment
Scratch	BS3900 E2	- Pass 4kg	Pass 4kg
Impact	ASTM D2794	- Pass 80in/lbs	Pass 30in/lbs
Bend	BS3900 E1	- Pass _ "	Pass _ "
Humidity	BS3900 F9	- No blistering after 1,000 hours (Zinc Phosphated Steel).	
Salt Spray	ASTM B117	- <3mm creep after 1,000 hours (Zinc Phosphated Steel).	
Heat Stability		- No yellowing on continuous exposure up to 110°C or intermittent exposure up to 130°C.	No yellowing on continuous exposure up to 90°C or intermittent exposure up to 110°C.

Matt and Semi-matt Epoxy Polyesters may have reduced impact resistance.
Not suitable for external environments.

Specific Gravity:

1.4 - 1.7 depending on colour and gloss.

Coverage:

9 - 12 sq meters/kilo @ 60 microns at 100% powder utilisation.

Film Thickness:

Recommended 50-70 microns.

Storage:

36 months shelf life in dry and cool conditions.

Stoving Schedule: (Refer to label)

Standard bake - 10'@180°C metal temperature.

Low bake - 10'@160°C metal temperature.

Semi-matt/Matt finishes - 10'@180°C - 200°C metal temperature.

Handling:

This product can be regarded as non-toxic but precautions should be taken to avoid inhalation of airborne particles. Reference should be made to the Guide Lines laid down in the "Code of Safe Practice" issued by the British Coatings Federation and to the individual safety data sheet for the product.

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