

# METAL COLOURS

## POWDER COATINGS

Today, thermosetting powders, having a wide field of use, are well established. Automated process plant and a powder utilisation in excess of 95% ensure that powder coatings offer a viable commercial option to conventional industrial liquid paints.

A high gloss, decorative and, depending on polymer, corrosion resistant finish with excellent cover on sharp edges is obtained with powders. Semi-gloss, matt, metallic and textured finishes are also available. Areas of use include automotive components, point of sale equipment, garden tools, satellite dishes and audio speaker housings.

### POLYESTER POWDER

Recommended for use on exterior fittings where high resistance to weathering is required, suitable for products used at elevated temperatures due to its high resistance to yellowing.

Film thickness 50 - 70 microns. A wide range of colours available.

Full gloss 85% + @ 60° : Semi gloss 50 - 70% @ 60°

Matt 25 - 35% @ 60°

#### Film Properties:

Adhesion	BS 3900 E6 : No detachment.
Scratch	BS 3900 E2 : Pass 4kg.
Impact	BS 3900 E3 : Pass 80 in/lbs.
Bend	BS 3900 E1 : Pass 1/4"
Humidity	BS 3900 F9 : No blistering after 1000 hours (zinc phosphated steel).
Salt Spray/ASTM B117	: 2 - 4mm creep after 1000 hours (zinc phosphated steel).
Heat Stability	: No yellowing on continuous exposure up to 130°C or intermittent exposure up to 140°C.





## EPOXY POLYESTER POWDER

A high performance product, classified during manufacture and recommended for use where good chemical and detergent resistance is needed. Combined also with excellent decorative appearance and ease of application, is the advantage of good colour stability. Film thickness 30 - 70 microns. A wide range of colours available.

### Gloss Level

Full gloss 95% + @ 60° : Semi gloss 50 - 70% @ 60°

Eggshell 20 - 40% @ 60°, or to customers' requirement.

### Film Properties:

Adhesion	BS 3900 E6 : No detachment.
Scratch	BS 3900 E2 : Pass 4kg.
Impact	BS 3900 E3 : Pass 100 in/lbs.
Bend	BS 3900 E1 : Pass 1/4"
Humidity	BS 3900 F9 : No blistering after 1000 hours (zinc phosphated steel).
Salt Spray ASTM B117	: 2 - 4mm creep after 1000 hours (zinc phosphated steel).
Heat Stability	: No yellowing on continuous exposure up to 110°C or intermittent exposure up to 130°C.



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