

PCS POWDERS LTD.

TECHNICAL INFORMATION SHEET

POLYESTER POWDERS

Introduction:

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

For Polyesters with a metallic content we would recommend that a clear coat is applied if the product is required to meet the full durability requirements.

Colours: Wide range ex-stock or to customers requirements.

Gloss levels: Available in Matt, satin, semi, and full gloss.

Stoving schedules:

Standard bake 10@180°C

Film thickness: Recommended 50-70 microns

Specific gravity: 1.2 – 1.7 depending on colour and gloss

Coverage: 9-12 sq meters/kilo @ 60 microns at 100% powder utilisation. Variable with colour, gloss, and finish.

Film properties:

TEST	UK SPEC	ISO/ASTM SPEC
Cross hatch adhesion	BS3900 E6 – class 0	ISO 2409 – Pass Gt0
Impact	BS3900 E3 – no adhesion loss	N/A
Flexibility	BS3900 E1 – Pass 3mm	ISO 1519 – Pass 3mm
Cupping test	BS3900 E4 – Pass 7mm	ISO 1520 – Pass 7mm
Salt spray		ASTM B117 – Pass 1000hrs
Humidity	BS3900 F2 – Pass 1000hrs	ASTM 2247 – Pass 1000hrs

Slight colour change and chalking after 12 months Florida exposure.

No yellowing on continuous exposure up to 130°C or intermittent exposure up to 150°C.

Pre-treatment: The substrate must be free from oil, grease, rust, and surface contaminants to ensure maximum adhesion. Suitable chemical pre-treatment, depending on substrate, should be used when high corrosion or chemical resistance is required.

Shelf life: 12 months in cool, dry conditions.

Health and Safety: Refer to SDS sheet that is specified on label.

The information on this sheet is for guidance only and the products suitability is entirely at the user own risk. Whilst we will always endeavour to give accurate advice we have no control over the pre-treatment or powder application, therefore we do not accept any liability arising from the use or performance of the product in service.

The data on this sheet is compiled by both actual tests on selected products and theoretical data from our raw material suppliers. We cannot therefore give data for individual products.