

# INFORMATION SHEET

## POWDER COATING



Claire Works,  
Anders,  
Lichfield Road Industrial Estate,  
Tamworth, B79 7TA.  
Telephone (01827) 55777 (2 lines)  
Facsimile (01827) 53713

## Speciality Powder

### Description

Speciality powder coating is formulated to give a wide range of texture, structure, hammer and antique finishes. It is available in epoxy, epoxy-polyester and polyester resins.

### Application Areas

<b>Cookers</b>	<b>Instrument housings</b>
<b>Domestic appliances</b>	<b>Light fittings</b>
<b>Fire surrounds</b>	<b>Office equipment</b>
<b>Garage equipment</b>	<b>Shelving</b>
<b>Heaters</b>	

### Finishes

Textures -	TLE - T TLM - T TLP - T	gloss and satin which give a rough and irregular finish suitable for hiding spot welds and other substrate defects
Structures -	TLM - R TLP - R TLE - R	gloss and satin which give a "leather-look" and are gentler to the hand. They may be silk screen printed.
Hammers -	TLM - H TLP - H TLE - H	which give an attractive similar to that obtained with wet paints
Antiques -	TLM - H TLP - H TLE - H	best described as a structure with metallica veins and peaks on a contrasting background colour. An eye-catching finish.

Colours with different degrees of structure or texture are available from stock and customers special requirements can usually be matched subject to quantity.

### Curing Schedules

Low bake			
Epoxy and epoxy-polyester	Gloss	10 mins at 160°C*	
Standard cure			
Epoxy and epoxy-polyester	Gloss	10 mins at 180°C*	
Polyester	Gloss	10 mins at 200°C*	
Epoxy and epoxy-polyester	Satin	10 mins at 200 °C*	
*metal temperature			

### Coating Thickness

60 - 90 microns depending on the type of finish

### Particle Size

100% below 125 microns

### Specific Gravity

1.3 - 1.9 depending on colour and finish

### Application

Suitable for application by proprietary manual or automatic corona discharge equipment and triboelectric charging guns.

All finishes are achieved with a single coating.

## **Pretreatment**

It is essential to ensure that the surface to be coated is free from dust, rust, scale, oil, etc.

Chemical pretreatment of the substrate is essential to increase the long term corrosion resistance. Further information is given in our publication 'Application of Powder Coatings'.

## **Shelf Life**

Low bake            12 months from date of manufacture  
Standard cure    12 months from date of manufacture

## **Storage**

Store below 25°C in dry conditions

## **Health and Safety**

Use in accordance with the Code of Safe Practice published by the Paintmakers Association of Great Britain, "Application of Powder Coatings by Electrostatic Spraying". Copies are available on request.

To prevent inhalation of airborne powder face masks capable of removing respirable dust should be worn. Skin contact should be avoided and any deposited powder removed with soapy water.

Some powders, mainly bright red and yellow shades, contain lead chrome and cadmium pigments.

Further information is given in our Health and Safety Sheet.

## **Coating Test Data**

Because of the specialised nature of these products with a wide range of structure and texture effects, it is impossible to give general test data. Specific physical and environmental performance figures can be obtained from our laboratory.

Speciality finishes are not recommended for use where prolonged outdoor exposure occurs or aggressive environments are encountered. When outstanding heat stability is required, polyester based powders should be used. Data quoted is typical but may vary from product to product.

Our data sheets and sales literature are issued for the purpose of supplying general product information. In view of the variation of conditions under which products may be used or this information may be applied, we cannot accept responsibility for loss, damage or accident of any nature (or infringement of patent rights) which may result from the use or application of the information or the products. For specific confirmation of any details in the product information or use and application please apply to the company in writing.