



PURE POLYESTER

Q SHIELD

Series Identification Code 95

Product Description

Polyester based powder coatings are mainly used for their excellent outdoor durability and acceptable chemical resistance combined with very good adhesion properties. They are mainly recommended for use on materials exposed to outdoor environment that requires gloss retention over long periods.

Popular Applications

Aluminium Sections

Bicycle Frames

Outdoor Furniture

Air Conditioner Covers

Petrol Pump Canopies

Display Boards

Auto Components

Agricultural Components

General Specifications

Specific Gravity:

1.2 to 1.8 depending on product

Particle Size Distribution:

< 125 micron 100% passing

Curing Schedule:

180°C (Object Temperature) / 15 minutes

Shelf Life:

Maximum 6 months from the date of manufacture in a sealed carton under recommended conditions of storage < 25°C and RH < 60%

General Film Properties

Property	Test Method	Value
Recommended Film Thickness	ASTM D-1186	50–60 microns
Gloss Range @ 60° Gloss Head	Marpol Standard	40%–98%
Impact Resistance	ASTM D-2794	100 kgs minimum
Erichsen Cupping	ASTM E-643	6 mm minimum
Flexibility Bend	ASTM D-552	6 mm minimum
Scratch Hardness	BS 3900 Part E6	2 kgs minimum
Salt spray Resistance	ASTM B-117	1000 hours minimum
Humidity Resistance	ASTM B-2247	1000 hours minimum
QUV Resistance	ASTM G-53	300 hrs passes
Pencil Hardness	ASTM D-3363	2H–3H