



EPOXY POLYESTER STRUCTURES

Series Identification Code 78

Product Description

Pure epoxy , pure polyester and epoxy polyester structures are made by careful selection of an additive that enables Marpol to give different, defined structure patterns that can be repeated consistently.

Popular Applications

Office Furniture
Control Panels
Switch Gear Covers
Computer Covers
Telephone Coin Boxes

Pure Polyester structures are available in the 95 Series under the Q SHIELD brand name.

General Specifications

Specific Gravity: 1.4 to 1.8 depending on product
Particle Size Distribution: < 200 microns 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	60 microns minimum
Gloss Range @ 60° Gloss Head	Marpol Standard	Visually observed
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	Not applicable
Pencil Hardness	ASTM D-3363	2H–3H (for very fine patterns)