SURFACE FINISHING: POWDER COATING

POWDER COATING

Powder coating is an electrostatic process whereby electrically charged particles in the form of powder are sprayed onto the surface of pre treated aluminium. Once the powder is applied, the aluminium is baked, then oven cured and this achieves a highly durable, painted finish.

To obtain this quality an extensive pre-treatment process of eight stages is completed under very stringent controls. One of the major benefits of powder coating is that it provides aluminium with a strong protective coating while offering an extensive range of colours.

INEX powder coating can provide a quality finish for many applications on all shapes of aluminium extrusions as follows.

- Painting for industrial products.
- Painting of all architectural products.
- Heat resistant applications.
- Antibacterial surfaces.
- Wear resistant applications.

A selection of over 200 colours ex stock is available, with a wide range of warranties to suit all applications.

TIMBER FINISH

This is a heat bonded “wood grain” surface finish that can be supplied for a wide range of applications to satisfy various applications on aluminium extrusions.

INEX can provide an extensive range of popular Natural Wood Grain Finishes to cover both domestic and industrial applications.

Not only does it feel like the real thing but it is a durable finish that provides low maintenance for this premium product with excellent warranties. The maximum length for Wood Grain finishing is 5.0 metres, the maximum width is 1.0 metre.

MATCHING PRODUCTS TO AAMA SPECIFICATION

TO ACHIEVE THE STANDARD	AAMA 2603	AAMA 2604	AAMA 2605
	Specify	Specify	Specify
DULUX POWDER & INDUSTRIAL COATINGS	Duralloy	Duratec / Electro	Fluroset FP
COATING TYPE	TGIC free extra Durable Polyester	High Durability Polyester	Super Durable Fluropolymer
PRODUCT I.D. CODE	Line 915	Line 900/906	Line 964

SCOPE OF WARRANTIES OFFERED

FILM INTEGRITY WARRANTY	10 years	20 years	30 years
COLOUR INTEGRITY WARRANTY	10 years (fade)	15 years (fade & Chalk)	20 years (fade & Chalk)

It should be noted, that at the time of printing Fluropolymer Chemistry (such as Fluroset FP) is the only products chemistry to meet the requirements of AAMA2605. N.B. Dulux Powder & Industrial Coatings must be applied by a Dulux Powder & Industrial Coatings. Registered Applicator to the Dulux Powder & Industrial Coatings specifications to attract these warranties.

POWDER COATING FEATURES AND BENEFITS

Exterior durable	One coat hard wearing polyester	One coat hard wearing polyester	One coat hard wearing fluropolymer
Clean & Green	Environmentally friendly	Environmentally friendly	Environmentally friendly
Colour range	Large stock colour range including exciting pearlescents	Good made to order colour range including exciting pearlescents	Highly durable made to order colour range including exciting pearlescents
High transfer efficiency	Excellent coating economies	Excellent coating economies	Excellent coating economies
Excellent flow	Smooth film appearance	Smooth film appearance	Smooth film appearance

Specifying powder coating that complies to one of the above AAMA standards removes all doubt for the joinery supplier. Both the joinery supplier and the powder coater will be instantly aware of the standard of product demanded for the project, as the standards detail the required levels of both colour and film performance.

MATCHING PRODUCTS TO AAMA SPECIFICATION

SPECIFICATION – THE CORRECT PRODUCT FOR EACH SITUATION

PROJECT	ENVIRONMENT	PROJECT
Multistorey Prestigious	Marine	Fluroset FP®
Multistorey Prestigious	Standard	Fluroset FP® (or Duratec® /Electro™)
Multistorey Commercial or Industrial	Marine	Duratec®, Electro™ (or Fluroset FP®)
Multistorey Commercial or Industrial	Standard	Duratec®, Electro™ (or Fluroset FP®)
Multilevel Building under 3 Levels	Marine	Duratec®, Electro™ (or Fluroset FP®)
Multilevel Building under 3 Levels	Standard	Duratec®, Electro™ (or Duralloy®)
Educational-School single Level	Marine	Duratec®, Electro™ (or Fluroset FP®)
Educational-School single Level	Standard	Duralloy® (or Duratec® /Electro™)
Residential-Prestigious	Marine-Severe	Fluroset FP®
Residential	Marine	Duratec®, Electro™ (or Fluroset FP®)
Residential	Standard	Duralloy®