



Ameron AP741/5149

Architectural TGIC-Free Texture Powder Coating

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Description and Features

Drawing on Ameron's vast international experience in delivering industry focused products, AP741 is the culmination of many years of both local and overseas development work and testing.

AP741 Polyester Textures offer similar properties to that of Ameron's internationally renowned AP746 range of Aluminium extrusion powder coatings.

AP74 series is based on a superior, exterior durable polyester resin and a fast curing curative. AP74 does not contain the curative TGIC.

AP741 offers the following unique properties:

- Improved transfer efficiencies to traditional polyester coatings.
- Outstanding powder transfer and spray characteristics.
- Most technically advanced polyester binder system.
- Pigments selected from the most durable and light fast available.
- Can be applied to a range of metal substrates as well as aluminium. (Only warranted on pre-formed aluminium).
- Uniform texture aspect.
- Performance warranty
 - ✓ 7 year colour integrity
 - ✓ 10 year film integrity
 - ✓ 25 year service lift
- Conforms to the following statements
 - ✓ AAMA 2603-98
 - ✓ AS3715

Pre-treatment

CRS: Zinc or iron phosphate

Zinc Coated Steels: Zinc phosphate or chromate conversion

Aluminium Alloys: Chromate conversion

Application

Corona or Tribo electrostatic spray equipment. Exceptional performance on both automated and manual application equipment.

Performs well in both fluidised hoppers and box feeders.

Application Notes

The recommended film thickness for the cured powder film is between 60 and 90 microns. Reclamation of product over-spray is possible.

Curing

Standard curing conditions are:

10 minutes @ 180°C (object temperature), or

6 minutes @ 200°C (object temperature)

It is not recommended that temperatures of less than that stated be used, as performance will be impaired.

Film Properties

The recommended thickness for the cured powder film is 60-90 microns. We advise not to go below film thickness of 40 microns or exceed 120 microns. Mechanical tests carried out on lightweight, zinc phosphate pre-treated

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- ✓ BS6496
- ✓ AS/NZS 4506:1998

Uses

AP741 Polyester texture powder coating is suitable for a variety of decorative and functional applications including:

- Furniture
- Garden and lawn equipment parts
- Outdoor lighting
- Some architectural products
- Industrial and commercial fittings
- Other items that require a distinctive texture appearance

Availability

To special order

Substrates

Cold rolled mild steel (CRS)

Zinc coated steels

Aluminium alloys

Specific Gravity

1.2 to 1.8, dependent on colour

panels with 60 micron matt finish film. Panels baked for 10 mins @ 180°C (object temp).

Mechanical:

Flexibility (conical mandrel) ASTM D522 Pass 3mm

Adhesion (2mm crosshatch) BS3900:E6 Pass GTO

Impact resistance BS3900-E3 Pass 120 inch lb

Chemical:

Salt spray (ASTM-B117) Pass @ 1000 hours <1mm from scribe

Cyclic humidity BS3900-F7 At 40°C, pass no blistering

Storage and Packaging

Packaging: 20 Kg cardboard boxes (plastic bag inners)

Shelf Life: 12 months minimum @ <35 deg C. All bags must be sealed before storage.

Store in a cool, dry area.

Health and Safety

Please refer to the individual MSDS for clarification.

Powder on the skin should be washed off using soap and water. Avoid breathing airborne dusts; wear an approved dust mask. Ovens should be exhausted to atmosphere. Users should refer to "Code of Safe Practice" as supplied by Paint Makers' Association (UK) and NZ Department of Labour.

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