



PE529/0000TB CRYSTAL CLEAR

Full Gloss Polyester



Product Data

Crystal Clear is a polyester formulation that offers a coating with the following unique properties.

- Aesthetic smooth glossy finish.
- Excellent mechanical properties.
- Very good powder transfer and spray characteristics.
- Exterior durability.
- Very good over bake resistance.

Uses

PE529/0000TB, Crystal Clear is suitable for a wide variety of applications.

Such as;

- Interior / Exterior Furniture
- Alloy wheels
- Window and Doorknobs, latches and hinges.
- Architectural fittings.
- Craft-ware products.
- Industrial and commercial fittings.
- Other items that require distinctive smooth natural appearance.

Availability

Available ex. Stock.

Substrates

Cold rolled mild steel (CRS)

Zinc coated steels

Aluminium alloys

Specific Gravity

1.3

Pre-treatment

CRS: Zinc or Iron Phosphate

Zinc Coated Steels: Zinc phosphate or Chromate conversion

Aluminium Alloys: Chromate conversion

Application

PE529/0000TB, Crystal Clear is suitable for Corona Electrostatic spray equipment.

For information regarding tribostatic application, please contact your local PPG Envirocron Technical Sales Representative.

Application Notes

The recommended film thickness for the cured powder film is between 60 and 90 microns. Reclaim ratio is approximately 4:1 but should be evaluated by the user in their system.

Curing

Standard curing conditions are:

7 minutes @ 200°C (object temperature).

Film Properties

Mechanical tests carried out on lightweight, zinc phosphate pre-treated panels with 50 micron (DFT) finish film. Panels baked for 10 mins @ 200°C (object temp).

Mechanical

Flexibility (conical mandrill) ASTM D522 Pass 3mm

Adhesion (crosshatch) BS3900:E6 Pass GTO

Rev impact resistance BS3900-E3 Pass 160-inch lb

Pencil hardness AS1580.405.1 HB

Exterior Durability

Similar results to standard polyester solid colours.
Application to be over approved pre-treatment system.
Minimum film thickness to be 60 microns. For continuous exposure to exterior weather conditions please contact your local PPG Envirocron Technical Sales Representative.

Storage and Packaging

Packaging: Cardboard boxes – 15kg and 4kg.

Shelf Life: 12 months minimum @ <30° C/dry. All bags must be sealed before storage.

Store in a cool, dry area.

Health & Safety

PPG Envirocron powder coatings can generally be regarded as inherently non-toxic.

Powder on the skin should be washed off using soap and water. Powder in the eyes should be washed out with water for 15 minutes.

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.

For further information, refer to the Material Safety Data Sheet for this product.

CAUTION:

Improper use and handling of this product can be hazardous to health.

This product is to be used by those knowledgeable about proper application methods. PPG Industries makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which PPG Industries is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

This product is for professional use only. Not for residential use.

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.

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