



POWDER COATINGS Product Data Sheet

ENVIROCRON® PCS FEATURES

PPG's ENVIROCRON® powder coatings are aesthetically pleasing, produce a durable uniform finish and can be custom formulated to produce a variety of finishes from high gloss to low gloss, and in a variety of textures and colours. Features include:

- TGIC -free formulations
• Available in Qualicoat & GSB approved version on request
• Available in special technologies: Ultra durable, low thickness, fast cure, gas oven resistant, anti gassing, anti yellowing, anti scratch, high thickness, ultra hiding power, ultra edge coverage, wood effect, industrial quality, P7 and P72 series
• All solid & metallic colours (bonded and dry-blended) including RAL, NCS, Clear, Customized finishes can be formulated in these technologies
• This range contains no heavy metals
• Available in a wide range of gloss finishes, and surface effects
• Good exterior durability (average exterior durability for P7 and P72 Industrial series)
• Good chemical resistance
• Available in a wide range of packaging, from carton boxes to octabins and big-bags upon request
• Shelf life: from 6 months for Fast Cure version (P42, P62 and P72) and Metallic effect, to 36 months for the other series, stored in well sealed, unopened original packaging, in a dry and well ventilated room at temperature below 30°C and not exposed to sunlight

COMMERCIAL USES

ENVIROCRON® PCS powder coatings are typically used on:

- Outdoor applications
• Aluminium and steel frames
• Automotive parts & accessories
• Sport & recreation equipment
• Chassis and containers
• Baffle boards
• Cycles & motorcycles
• Lightings
• Agricultural equipment
• Metal furniture for outdoor

FINISHES

Table with 5 columns: Finishes, Fast Cure Series, Standard Cure Series, Standard Durable Series, Ultra Durable Series. Rows include Low gloss 60°, Medium gloss 60°, High gloss 60°, Metallic, Coarse Textured, and Fine textured.

TECHNICAL PROPERTIES - P4, P42, P6, P62 Series

(Technical properties for Industrial quality P7 and P72 series are available on request)

Film Properties were determined using 60 - 70 µm powder film over Aluminium chromating lab panels

Table with 3 columns: Property, Method, Base. Rows include Gloss (60° gloss meter), Adhesion, Hardness - Buchholz, Hardness - Pencil, Impact Resistance (direct / reverse), Conical Mandrel, Erichsen, Salt Spray Resistance, Humidity Resistance, UV-Condenser, and Florida Test.

\* Result depending on colour and gloss \*\*O n Metallic finishes after 250h loss 10-15% of metallic effect



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SUBSTRATE PREPARATION

Powder coatings provide good adhesion to most conductive substrates, provided that the surface is properly cleaned, by removing any oil, grease, and dust contamination, and that it is thoroughly dried. Anticorrosion and durability depend upon the substrate, and type of pretreatment used.

Table with 2 columns: Substrate, Preparation. Rows include Aluminium and Steel with their respective preparation instructions.

When applied to pre-coated parts, such as electrocoat primers, it is important to check that the substrate is free of dirt, as well as other contaminants, and that the parts are electrically grounded.

APPLICATION DATA

Table with 2 columns: Property, Spray. Rows include Application equipment, Recommended thickness, Specific Gravity, Theoretical Coverage, Spreading rate, Fluidity properties, and Particle size distribution.

\* Particle size distribution can be customized to application needs

Table with 3 columns: Product Code, Cure Type, and Time/Temperature. Rows include P41x, P71x, P41xD, P42x, P72x, P61x, and P62x.

\*Consider 5 minutes more in case of laboratory static ovens

RECOATING

Recoating just requires an electric contact to the earth. If re-applying onto textured powder, the surface should be sanded prior to application.

HEALTH AND SAFETY

For comprehensive Health, Safety, and Environmental advice, please refer to the relevant Material Safety Data Sheets, and information printed on the product label.

The recycled powder has to be added continuously to the fresh powder to avoid a change in the particle size distribution. Please follow the process instructions for special products.

Table with 5 columns containing contact information for PPG Industries in UK, Germany, France, Italy, Turkey, Netherlands, Spain, Switzerland, and Poland.

PPG WEB SITES: www.ppg.com & www.ppgindustrialcoatings.com