

PPA571

PLASCOAT PPA 571

Coating Longevity

Plascoat has been producing and marketing coating powders for over 50 years and is the world leader in its field. This unparalleled experience is derived from its unique position as both a provider of subcontract thermoplastics grinding and compounding services and as an applicator of a wide variety of coatings to both metal and plastic articles.

Its unrivalled combination of coatings production and application expertise has enabled Plascoat to develop the widest range of thermoplastic metal finishing powders and promote its own range of coating equipment.

PPA 571 is a thermoplastic powder developed specially to achieve long term adhesion to both mild steel and aluminium substrates without the need for an adhesive primer. It is especially recommended where there is a requirement for excellent resistance to ultraviolet light, salt spray and atmospheric pollutants. Whilst not having been specially formulated for use in aggressive chemical environments, or for applications requiring high abrasion resistance, it has proved its suitability for contact with concentrated sulphuric acid (traction battery boxes) and a number of other chemicals.

Since PPA 571 was developed in 1989, PPA 571 has been subjected to thorough laboratory testing, salt spray to ASTM B117, QUV to ASTM G53-77 and Florida site exposure at 45° from horizontal towards South. The results of these tests have proven PPA 571 to be superior to most, if not all, materials in this price range. From these test results, and by using techniques developed over 50 years, Plascoat is able to estimate that PPA 571 coatings will continue to protect the metal for a minimum period of 35 years outside exposure in northern Europe, 25 years in the south Europe (northern Mediterranean region) and at least 15 years in more tropical areas subject to the conditions outlined below.

Furthermore, these tests indicate that there will be no significant change* of colour or gloss of Plascoat PPA 571 coatings for at least 15 years in northern European latitudes, minimum 10 years in southern European latitudes and at least 5 year in tropical areas:

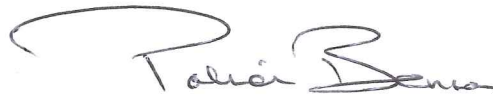
Provided that:-

- The PPA 571 is applied in accordance with the conditions outlined on the material data sheet and the PPA 571 processing guide.
- The coating is not in contact with abnormally aggressive chemicals or gases.
- The metal has been appropriately cleaned and is free from sharp corners or edges.
- The coating is continuous and free from exposed edges or pinholes.
- The coating has not been damaged through to bare metal, for example during transport, site erection or subsequent use.
- The metal substrate has not been deformed after coating.

Technical guide

- The article/coating has not been exposed to continuous temperatures in excess of 50°C or prolonged periods over 65°C in air
- The coating thickness is a minimum of 250 µ

PPA 571 is now used in many countries, including the Middle East and in the Arctic, for the coating of fencing, connectors, cable trays, battery boxes, street furniture etc. In its history not one instance has yet been reported of coating degradation in exterior use, even in the most demanding of environments.



Patrick Benson

Director of Technology and Marketing

Plascoat Systems Ltd.

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QUALITY

Plascoat is committed to the manufacture and supply of a wide range of thermoplastic coating powders. This service is backed by the unrivalled experience of over 50 years of powder coating application. With a policy of continuous improvement to its range of products, Plascoat reserves the right to alter or amend any item. Stringent quality control procedures are carried out at every relevant stage of manufacture and Plascoat operates a quality management system approved by BSI in accordance with ISO 9001:2008.

Plascoat can also offer, through its factories in Europe, specialist plastic coating equipment, an extensive custom coating service and a size reduction service for plastics and other materials.

Plascoat is a subsidiary member of the IPT Group of companies.

Plascoat is an EU registered trade name.

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DISCLAIMER

The information given here is, to the best of our knowledge, true and accurate.

Product and item design, pre-treatment, coating conditions, quality assurance and conditions of product end use are among the factors that affect performance of the coated products and are outside Plascoat's control.

Conditions under which our materials may be used are beyond our control. The suitability for application and performance of finished goods coated with Plascoat material is the sole responsibility of the customer and end user.

Plascoat expressly denies specific or implied warranties including warranties for fitness for a particular use or purpose.

* Change of more than 10%.