

COATING RESINS

TECHNICAL DATA

CRAYVALLAC PC

SALES SPECIFICATION

Particle size distribution:
(Malvern Mastersizer S laser particle size analyser) (CR 005)

DV.2 min. 4 μm
DV.8 max. 20 μm

OTHER PROPERTIES

Density at 25°C (77°F), g/cm ³ (CR 006)	1.01
Bulk density, g/cm ³ (CR 016)	0.4-0.6
Appearance	White Powder
Capillary Melting Point (CR 003)	83-89°C (181-192°F)

PRODUCT INFORMATION

CRAYVALLAC PC is a micronised hydrogenated castor oil derivative surface enhancing additive for powder coatings based on PRIMID, hybrid and TGIC technologies. The performance benefits of this product are:

- 100% Active micronised powder
- Easily dispersed
- Good compatibility with polyesters and hybrids
- Enhances flow and levelling
- Very good degassing characteristics
- Especially suited to PRIMID systems

CRAYVALLAC PC works well in both clear and pigmented powder coating systems based on PRIMID, Hybrid and TGIC technologies.

Due to the multitude of formulations, processing methods and application conditions used in the field, we strongly recommend that all products containing **CRAYVALLAC PC** be tested thoroughly to ensure their suitability for their intended end use. In particular, application in poorly ventilated areas, or on hot substrates, or by hot spray, may require additional attention.

RECOMMENDED AMOUNTS

Good control of flow, levelling and degassing will generally be achieved using **CRAYVALLAC PC** at a level of 0.5 - 2.0% on total formulation.

PRECAUTIONS FOR STORAGE

CRAYVALLAC PC should be stored in the original containers in a dry place at temperatures between 5°C (41°F) and 30°C (86°F). Avoid exposure to direct sunlight or frost. Under these conditions the product may be stored for up to 4 years from production date.

INCORPORATION METHOD AND PROCESSING INSTRUCTIONS

CRAYVALLAC PC is easily incorporated using conventional pre-mixing techniques prior to extrusion. The use of **CRAYVALLAC PC** leads to a substantial improvement in the appearance of the final cured powder coating. This improvement is due to **CRAYVALLAC PC** enhancing the flow, levelling and degassing processes during cure. This is the result of **CRAYVALLAC PC** greatly reducing the melt viscosity during this critical levelling stage in the cure cycle. This viscosity reduction also enhances the performance of other additives such as acrylic levelling agents and the degassing agent benzoin.

PRECAUTIONS FOR USE

Please refer to the corresponding Safety Data Sheet.