

Micronised hydrogenated castor oil derivative surface additive for powder coatings
Castor derivative

Typical Characteristics

Nature	Castor derivatives
Appearance	Off-white micronized powder
Solid Content (%)	100
Active Content (%)	100
Specific gravity	1.1
Bulk density	0.4-0.6
Melting Point (°C)	86
Particle size distribution	DV.2 min: 4 µm / DV.8 max: 20 µm

Description

CRAYVALLAC® PC is a micronised hydrogenated castor oil derivative surface enhancing additive for powder coatings based on PRIMID, hybrid and TGIC technologies. 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. CRAYVALLAC® PC works well in both clear and pigmented powder coating systems based on PRIMID, Hybrid and TGIC technologies.

Recommended addition level

0.5-2.0% under simple dispersion and blending with other powder components

Standard Packaging

Other packaging may be available upon request

- 20 Kg Bag

Handling & Storage

It 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. In these conditions, this product should be used within 48 months from delivery.

Processing instructions

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

Health and environmental data

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

Coatings & Inks
- Industrial Coating

Key Benefits

Formulation

- Compatibility
- Ready to use
- Easy handling

Application

- Air release

Film Properties

- Defects reduction
- Gloss
- Levelling

APEO free: Yes

Bacteria resistance: Yes

Bio content (%): 100

Heavy metal free: Yes

Solvent-free: Yes