

TECHNICAL DATA SHEET

REAFREE® T4705-5

Powder Resins / Saturated Carboxylated Polyester / TRIBO Additive

PRODUCT APPLICATION DETAILS

Masterbatch at 5% of a tribo additive in a Carboxylated polyester. It is suitable for the formulation of indoor or outdoor durable and protective thermosetting powder coatings, applied with a friction gun (tribo). Enables easy handling and good dispersion in the formulation. It does not affect gel time and storage stability.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Acid value	30-38 mg KOH/g	ASTM D-1639
Viscosity (Cone and plate - 165°C)	10-25 Pa.s	DIN 53229
Color (50%)	2 max Gardner	ASTM D-1544

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Appearance	Opaque pale granules	
Glass transition temperature (Tg)	approx 62 °C	DSC

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

RECOMMENDED MIXING RATIO

For pigmented and clear coatings, for both indoor and outdoor applications. Optimal dosage between 5-8% on total formulation has been calculated measuring chargeability by the kleber gun. Nevertheless quantities must be adjusted according to the tribo equipment and powder paint system to be used. It is necessary to take into account the quantity of carboxylated polyester of the additive to adjust the stechiometry of the formulation.

MARKET & APPLICATIONS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Metal Exterior - Powder
 - Powder Coating - Others

PERFORMANCE BENEFITS

- Additive for increase the tribochargeability of powder paints.
- It contains 5% of active material.
- It is suitable for the formulation of indoor or outdoor durable and protective thermosetting powder coatings, applied with a friction gun (tribo).
- Enables easy handling and good dispersion in the formulation.
- It does not affect gel time and storage stability.

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PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

DELIVERY FORM

Granules. White opaque polyethylene bags of 25 Kg. One Ton pallet shrink – wrapped.

STORAGE AND HANDLING

The resin in its original unopened bags is stable for more than three years, stored in a dry place at temperature below 30°C. Avoid direct sunlight.

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