

# REAFREE® T4705-5

POWDER COATINGS / ADDITIVES

TECHNICAL DATA SHEET

## Product Application details

Masterbatch of a hindered tertiary amine in a carboxylated saturated polyester.  
TMA free type

## Applications

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

## Polymer Type

- Saturated Carboxylated Polyester Resin

## Sales Specifications

Colour (50%), (ASTM D-1544)	2 max
Acid value, mg KOH/g (ASTM D-1639)	30 - 38
Viscosity 165°C, Pa.s (ICI – DIN 53229)	10 - 25

## Other Characteristics<sup>1</sup>

Appearance	Opaque Pale Granules
Glass Transition T, °C (DSC - Tg)	approx 62

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

## Recommended uses and dosage

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 stochiometry of the formulation.

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Delivery form**

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

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**Storage & 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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