

NEW

ADDITIVE FOR POWDER COATINGS

# TEGO® Powder Aid T863

Alternative to PTFE agents for texturing and matting in powder coatings



**TEGO® Powder Aid T863 is an advanced additive based on a silica technology, designed for creating textured and matt surfaces in the powder coatings industry.**

It enables manufacturers to achieve highly realistic effects, such as wood-like finishes often used for window frames. The additive also enhances scratch resistance, improving the durability of the coated surfaces.

Its formulation allows independent adjustment of texturing, slip, and gloss or matting levels for maximum formulation flexibility.

**TEGO® Powder Aid T863** offers excellent overbake stability during oven curing and shows no thermal yellowing. With no organic compounds and performance ranging from semi-matt to deep matt textures depending on dosage, it provides a robust and versatile solution for modern coatings.

## TEGO® Powder Aid T863 – At a Glance

### Ready for the Future

- Alternative to PTFE-texturing agents
- Silica technology with no organic compounds
- Modular effect approach

### Performance

- Overbake stability and no thermal yellowing
- Possibility to adjust texturing, slip and gloss/matting level separately
- Increased scratch resistance of the surface

### Easy to use

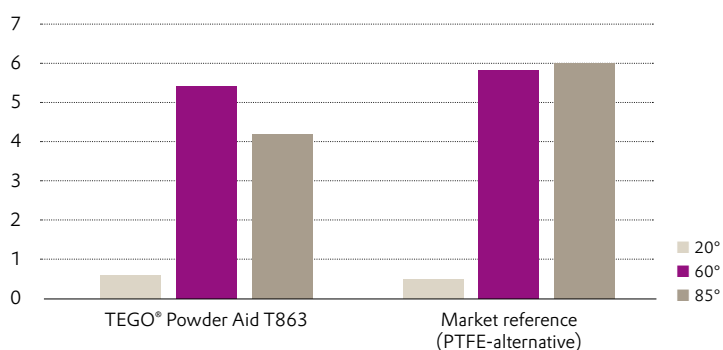
- Easy handling due to high bulk density
- Incorporation within the raw material premix
- Suitable for corona and tribo application



Click or scan the QR-code for more information!

## TEGO® Powder Aid T863 shows better effective matting effect in a black polyester/ $\beta$ -HAA formulation

Gloss Development (Gloss Units)

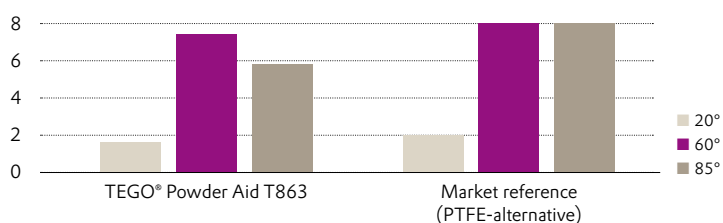


### TEST FORMULATION – BLACK

Polyester resin	57.0
$\beta$ -HAA crosslinker	3.0
<b>Texturing additive</b>	<b>5.0</b>
Pigment, black	0.9
Filler	34.1
<b>Total</b>	<b>100.0</b>

## TEGO® Powder Aid T863 shows effective matting effect in white coatings with excellent overbake stability and no significant influence on thermal yellowing

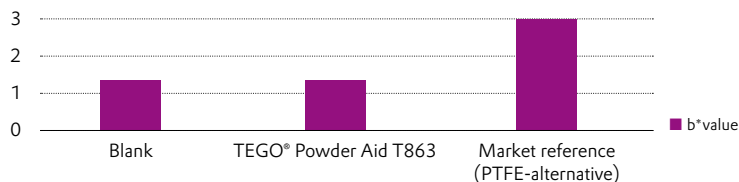
Gloss Development (Gloss Units)



### TEST FORMULATION – WHITE

Polyester resin	52.3
$\beta$ -HAA crosslinker	2.8
Degassing agent	0.2
Flow/levelling agent	1.0
Antioxidant	0.5
<b>Texturing additive</b>	<b>5.0</b>
Pigment TiO <sub>2</sub>	27.0
Filler	11.2
<b>Total</b>	<b>100.0</b>

Thermal Yellowing (15 min. 180°C)



**Extrusion process parameters for both test formulations:** Heat zones up to 110 °C / 500–600 rpm / 35–40% torque

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