TICO® Yellow 588 N

Full Shade	Reduction 1:3 TiO_2

Product Description

TICO® Yellow 588 N is a green shade yellow with good opacity and high tinting strength. This product can be used to replace bismuth vanadate.

Appearance	Yellow powder

Product Description

	Unit	Value	Test Method
Hue angle [full shade]		91.6	acc. to DIN EN ISO/CIE 11664-4
1/3 SD reduction ratio		1:1.6	acc. to DIN 53235-2

Technical Data

	Unit	Value	Test Method
Density	[g/cm³]	typ. 3.5	acc. to ISO 787-10
Bulk volume	[l/kg]	typ. 0.5	
Specific surface	[m²/g]	typ. 6.1	acc. to DIN ISO 66132
Oil absorption	[g/100g]	typ. 14	acc. to ISO 787-5

Fastness Properties

Resistance to Chemicals

	Value	Test Method
Acid	5	rating acc. to DIN EN ISO 105-A03
Alkali	4	rating acc. to DIN EN ISO 105-A03
Water	5	rating acc. to DIN EN ISO 105-A03
Butanol	5	rating acc. to DIN EN ISO 105-A03
Butylacetate	5	rating acc. to DIN EN ISO 105-A03
Xylene	4	rating acc. to DIN EN ISO 105-A03
MEK	4	rating acc. to DIN EN ISO 105-A03
White spirits	4	rating acc. to DIN EN ISO 105-A03

Acid/alkali resistance: Pigment was dipped into hydrochloric acid (10%) or soda solution (10%). Rating with gray scale: 1=poor, 5=excellent.
Solvent resistance: Product was dipped into solvent. Rating with gray scale: 1=poor, 5=excellent.

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	Value	Test Method
Overpainting fastness	5	rating acc. to DIN EN ISO 105-A03
Heat resistance [°C]	170	acc. to ISO 787-21
Light fastness [full shade]	8	acc. to DIN EN ISO 16474-2/DIN EN ISO 105-B02
Weather fastness [full shade]	5	acc. to DIN EN ISO 16474-2/DIN EN ISO 20105-A02
Weather fastness [1/3 SD]	4	acc. to DIN EN ISO 16474-2/DIN EN ISO 20105-A02

Overpainting: Tested in alkyd/melamine system with 30 minutes baking time at 160 °C. Rating with gray scale: 1=poor, 5=excellent.
Heat resistance: Tested in alkyd/melamine system.
Light Fastness: Tested in water based automotive system. Rating with 8-step wool scale: 1=poor, 8=excellent.
Weather fastness: Tested in water based automotive system. Rating with gray scale after 2000 h accelerated weathering: 1=poor, 5=excellent.

Application Profile	
Automotive coatings	+++
General industrial coatings	+++
Plastics	+

+++ Excellent choice ++ Good choice + Possible choice

Packaging and Handling	
Packaging	15 kg paper bags

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