



## Product Description

TICO® Orange 640 N is a brilliant medium shade orange with high opacity and heat resistance. Due to its excellent fastness properties it can be used for highly durable applications.

Appearance	Orange powder
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## Product Description

	Unit	Value	Test Method
Hue angle [full shade]		44.6	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/cm <sup>3</sup> ]	typ. 2.6	acc. to ISO 787-10
Bulk volume	[l/kg]	typ. 0.5	
Specific surface	[m <sup>2</sup> /g]	typ. 2.7	acc. to DIN ISO 66132
Oil absorption	[g/100g]	typ. 18	acc. to ISO 787-5

## Fastness Properties

### Resistance to Chemicals

	Value	Test Method
Acid	5	rating acc. to DIN EN ISO 105-A03
Alkali	5	rating acc. to DIN EN ISO 105-A03
Water	5	rating acc. to DIN EN ISO 105-A03
Butanol	4	rating acc. to DIN EN ISO 105-A03
Butylacetate	4	rating acc. to DIN EN ISO 105-A03
Xylene	5	rating acc. to DIN EN ISO 105-A03
MEK	3	rating acc. to DIN EN ISO 105-A03
White spirits	5	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	4 - 5	rating acc. to DIN EN ISO 105-A03
Heat resistance [°C]	220	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]	5	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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