

## KRONOS<sup>®</sup> 2044

KRONOS INFORMATION **2.2**

titanium dioxide

a special pigment with a high level of inorganic surface treatment for heavily filled systems

### Applications

Emulsion paints  
Paper coatings  
Matt printing inks  
Wallpaper coatings

### Properties

#### KRONOS 2044 titanium dioxide

- develops higher hiding power and tinting strength at high pigment volume concentrations than rutile pigments with lower inorganic surface
- imparts a neutral tone and high brightness to coatings
- improves the brightness and opacity of paper coatings
- disperses readily
- confers good exterior durability on coatings
- has a higher water and dispersant demand than standard grades

### Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium and silicon compounds
TiO <sub>2</sub> content (DIN EN ISO 591)	≥ 82%
Standard classification (DIN EN ISO 591-1)	R 3
ASTM D 476	Type III
Density (DIN EN ISO 787-10)*	3.6 g/cm <sup>3</sup>
Bulking value*	0.0324 gal/lb
Oil absorption (DIN EN ISO 787-5)*	41 g/100 g pigment
Colour index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

\* Typical value

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all times, willing to study customers' specific outlets involving our products in order to enable their most effective use.

© KRONOS INTERNATIONAL, Inc., 2014

DS2303USROW/414USROW

KRONOS B.V., NL-3078 AJ Rotterdam · KRONOS EUROPE S.A./N.V., B-9000 Ghent · KRONOS TITAN AS., N-1602 Fredrikstad  
KRONOS INTERNATIONAL, Inc., KRONOS Export Department, D-51373 Leverkusen · KRONOS Limited, Wilmslow, Cheshire SK9 1BQ  
KRONOS TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
Montreal PQ, H3B 3W7 · KRONOS, Inc., Dallas/TX 75240

## KRONOS<sup>®</sup> 2047

KRONOS INFORMATION **2.2**

titanium dioxide

a special pigment for highly filled systems

### Applications

Coating for paper and board  
Light weight coated paper (LWC paper)  
Matt emulsion paints  
Matt printing inks  
Synthetic resin plasters

### Properties

#### KRONOS 2047 titanium dioxide

- improves the whiteness and opacity of paper and board
- develops high hiding power in coatings above critical pigment volume concentration
- disperses readily

### Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium and silicon compounds
TiO <sub>2</sub> content (DIN EN ISO 591)	≥ 88%
Standard classification (DIN EN ISO 591-1)	R 3
ASTM D 476	Type III
Density (DIN EN ISO 787-10)*	3.8 g/cm <sup>3</sup>
Oil absorption (DIN EN ISO 787-5)*	27 g/100 g pigment
Colour index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

\* Typical value

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all times, willing to study customers' specific outlets involving our products in order to enable their most effective use.

© KRONOS INTERNATIONAL, Inc., 2014

DS2327ROW/1014ROW

KRONOS B.V., NL-3078 AJ Rotterdam · KRONOS EUROPE S.A./N.V., B-9000 Ghent · KRONOS TITAN AS., N-1602 Fredrikstad  
KRONOS INTERNATIONAL, Inc., KRONOS Export Department, D-51373 Leverkusen · KRONOS Limited, Wilmslow, Cheshire SK9 1BQ  
KRONOS TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
Montreal PQ, H3B 3W7 · KRONOS, Inc., Dallas/TX 75240

## KRONOS<sup>®</sup> 2064

KRONOS INFORMATION **2.2**

titanium dioxide

for maximum gloss development and high opacity

### Applications

Waterborne and solvent-based, high-gloss gravure and flexographic inks

Packaging coatings

Industrial coatings and wood finishes for interior use

### Properties

#### KRONOS 2064 titanium dioxide

- imparts a high degree of gloss to coatings
- displays excellent dispersibility
- is very economical in use due to its outstanding hiding power and tinting strength
- provides low haze and high gloss in stoving finishes
- is recommended for indoor applications only

### Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium compounds
TiO <sub>2</sub> content (DIN EN ISO 591)	≥ 95%
Standard classification (DIN EN ISO 591-1)	R 2
ASTM D 476	Type II & III
Density (DIN EN ISO 787-10)*	4.1 g/cm <sup>3</sup>
Bulking value*	0.0293 gal/lb
Oil absorption (DIN EN ISO 787-5)*	17 g/100 g pigment
Colour index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

U.S. Food and Drug Administration (FDA):  
Compliance with the FDA requirements depends on the end use or final product application. Detailed information can be obtained via [productstewardship@kronosww.com](mailto:productstewardship@kronosww.com)

\* Typical value

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all times, willing to study customers' specific outlets involving our products in order to enable their most effective use.

© KRONOS INTERNATIONAL, Inc., 2017

DS2386ROW/317ROW

KRONOS B.V., NL-3078 AJ Rotterdam · KRONOS EUROPE S.A./N.V., B-9000 Ghent · KRONOS TITAN AS., N-1602 Fredrikstad  
KRONOS INTERNATIONAL, Inc., KRONOS Export Department, D-51373 Leverkusen · KRONOS Limited, Wilmslow, Cheshire SK9 1BQ  
KRONOS TITAN GmbH, D-51373 Leverkusen · SOCIETE INDUSTRIELLE DU TITANE S.A., F-75008 Paris · KRONOS CANADA, Inc.,  
Montreal PQ, H3B 3W7 · KRONOS, Inc., Dallas/TX 75240

## KRONOS<sup>®</sup> 2066

KRONOS INFORMATION **2.2**

titanium dioxide

for superior opacity and high gloss development

### Applications

High-gloss gravure and flexographic inks  
 UV-cured printing inks  
 Reverse and lamination printing  
 Can coatings  
 Industrial coatings and wood finishes for interior use

### Properties

#### KRONOS 2066 titanium dioxide

- is very economical in use due to its outstanding opacity
- imparts a high degree of gloss to inks and coatings
- displays rapid wetting performance and excellent dispersibility
- provides superior tinting strength and a warm tone
- is recommended for indoor applications only
- is in compliance as a colourant for Indirect Food Contact (FDA 21 CFR 178.3297)

### Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium compounds
TiO <sub>2</sub> content (DIN EN ISO 591)	≥ 95%
Standard classification (DIN EN ISO 591-1)	R 2
ASTM D 476	Type II & III
Density (DIN EN ISO 787-10)*	4.1 g/cm <sup>3</sup>
Bulking value*	0.0293 gal/lb
Oil absorption (DIN EN ISO 787-5)*	17 g/100 g pigment
Color index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

\* Typical value

The information in this publication is, to the best of our knowledge, true and accurate, but since the conditions of use are beyond our control, no warranty is given or to be implied in respect of such information. In every case, caution must be exercised to avoid violation or infringement of statutory obligations and any rights belonging to a third party. We are, at all times, willing to study customers' specific outlets involving our products in order to enable their most effective use.