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Products



CNNC Rutile
Titanium Dioxide

Anatase Titanium
Dioxide

JOTiO Titanium
Dioxide

Food Grade
Titanium Dioxide

Cosmetic Grade
Titanium Dioxide

Iron oxide pigments
For general use
Heat stable products
Micronized grades
Low heavy metal
products

Other





TIOXHUA RUTILE TiO₂

R-2196+



share

R-2196+ is well suited for solvent-based paint, gloss and matt exterior and interior architectural latex paint, industrial paint and printing ink.

R-2196+ is a specialized, high-performance rutile titanium dioxide pigment engineered to deliver superior optical properties and processing ease in modern water-based coating systems. It serves as a viable and performance-enhanced alternative to the widely used R-996 grade, offering formulators a versatile solution for upgrading formulations where applicable.

This grade achieves an optimal balance of excellent hiding power and high gloss development in aqueous formulations, effectively addressing common challenges in achieving premium finishes with waterborne technologies. The advanced surface treatment is specifically tailored for aqueous systems, ensuring exceptional dispersibility and stable performance. This promotes efficient processing, reduces milling time, and supports stable viscosity control during production.



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Product details

High Gloss, High Dispersibility and High Opacity

R-2196+ is well suited for solvent-based paint, gloss and matt exterior and interior architectural latex paint, industrial paint and printing ink.

Typical Properties

Crystal Form	Rutile
Inorganic Surface Treatment	Zirconium And Aluminum Compounds
Organic Surface Treatment	Yes
ISO 591-1 And DIN 55912 Classification	R2
ASTM D476 Classification	III
Relative Scattering Power (ISO 787-24)	95% - 105%
Color (ISO 787-25)	$\Delta E \leq 0.5$
Density (ISO 787-10)	4.0g/Cm3
Dispersion In Polyester System (GB/T 21868.3-2008)	$\leq 25\mu\text{m}$

Key Features

High gloss · Easy wetting and dispersing · Excellent hiding power · Excellent whiteness

Typical Data*

TiO2 Content (ISO 591-1)	93%
CIE L*, Dry Powder (GB/T 5950-2008)	98.5
PH Value (ISO 787-9)	7.2

Oil Absorption (ISO 787-5)	19g/100g
Residue On 45µm (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	150Ω·m
Volatiles At 105°C (ISO 787-2) At Packaging	0.4%



*Not to be taken for specifications. Subject to measurements in CoA

Health and Safety Precautions

Relevant local health and safety guidelines should be followed. Gloves, safety goggles and respirator with submicron particle filtration should be worn. MSDS is available upon request.

Packaging

R-2196+ is available in 25kg bags, 500kg and 1000kg containers.

Product Storage

Product should be stored indoors in clean and dry conditions. The shelf life of CHTi's TiO₂ is 2 years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

Disclaimer

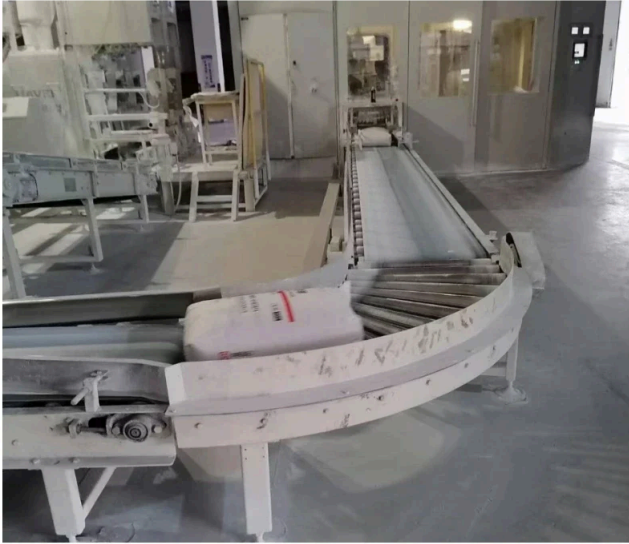
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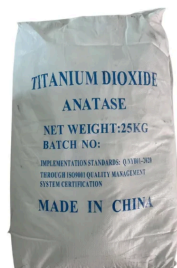




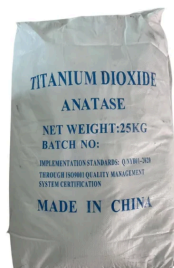
Inquiry form



Related products



Anatase TiO₂ CTA-01



Anatase TiO₂ BA01-01



TIOXHUA RUTILE TiO₂ XR-290



TIOXHUA RUTILE TiO₂ R-2196



 WUXI JOTIO CHEMICAL MATERIALS CO., LTD.

WUXI JOTIO CHEMICAL MATERIALS CO., LTD. founded in 2015. This is a professional company mainly in Titanium Dioxide.



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- CNNC Rutile Titanium Dioxide
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- Other

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