

# TIOXHUA® R-215 Technical Data Sheet

## General purpose grade

### High Opacity and Versatility

R-215 is designed for formulators searching for a single grade of TiO<sub>2</sub> with performance covering wide range of water-based paint, solvent-based paint, powder coating, printing ink and papermaking.

### Key Features

Neutral understone

Easy wetting and dispersing

High tinting strength and opacity

Moderate gloss

### Typical Properties

Processing method	Sulfate
Crystal form	Rutile
Inorganic Surface treatment	SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> ,
Organic Surface treatment	Yes
Classification (ISO 591-1)	R2
Color (ISO 787-25)	ΔE≤ 0.5 relative to reference standard
Relative scattering power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	4.0g/cm <sup>3</sup>
Dispersion in polyester system (GB/T 21868.3-2008)	≤35μm

### Typical Data

Items	Value
TiO <sub>2</sub> content, %	92%
CIE L*, dry powder (GB/T 1864-2012)	95
Reducing power (TCS)	2000
PH (ISO 787-9)	7.2
Oil absorption (ISO 787-9)	20g/100g
Residue on 45 μm (ISO 787-18)	0.01%
Resistivity of water extraction (ISO 787-14)	100Ω*m
Volatiles at 105°C at packaging (ISO 787-2)	0.4%

\* Not to be taken for specifications. Actual data subject to measurement 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.

### Chemate Technology Co.,Ltd

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### **Packaging**

R-215 is available in 25kg paper bags, 500kg and 1000kg jumbo bags.

### **Product Storage**

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

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