



R-216 For Weathering Resistant coatings

Magnificent hiding power, Excellent Weatherability

R-216 is a universal TiO₂ that offers exceptional performance in exterior applications calling for high weathering resistance.

Typical Properties

Processing Method	Sulfate
Crystal Structure	Rutile
Surface Treatment	SiO ₂ , Al ₂ O ₃
Organic Treatment	Yes
Classification (ISO 591-1)	R2
Color (ISO 787-25)	ΔE≤0.5
Relative Scattering Force (ISO 787-24)	95%-105%
Density (ISO 787-10)	4.0g/cm ³
Dispersion in Polyester System (GB/T 21868.3-2008)	≤27.5μm

Key Features

- Exceptional gloss
- Easy wetting and excellent dispersion
- Super weather resistance and magnificent hiding power

Technical Data

TiO ₂ % (ISO 591-1)	93%
CIE (L*) (GB/T 1864-2012)	95
Reducing Power (TCS)	2050
PH Value (ISO 787-9)	7.8
Oil Absorption (ISO 787-5)	19g/100g
Residue at 45μm (ISO 787-18)	0.01%
Resistivity (ISO 787-14)	150Ω·m
Volatiles at 105°C (ISO 787-2)	0.4%

Health and Safety Precautions (Details in MSDS)

R-216 is a safe, non-toxic and harmless product, complying with relevant international standards.

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter. Wear suitable gloves to protect hands. Wear dust-resistant safety goggles where there is risk of eye contact. Always observe good personal hygiene measures.

Packaging

R-216 is available in 25-kg bags, 500-kg and 1000-kg containers.

Product Storage

The shelf life of WPA's TiO₂ is 2 years as long as the material is kept in a dry location and not in direct contact with water or moisture. First-in, first-out is highly recommended to guarantee the best performance of the product.

Disclaimer

The above information is offered free solely to provide possible suggestions. Given variations in actual end-use conditions, WPA makes no warranties and assumes no liability in connection with any use of this information.