

Product Model: NRT 123

Type: Coloring Admixture

NRT 123 is a general purpose grade [Rutile Titanium Dioxide](#) product which is manufactured by the sulfate process. The surface of titanium dioxide is coated with inorganic silica and alumina hydrated oxide film. It is specifically formulated to provide outstanding weatherability, high power, chalk resistance, yellowing resistance and other functional application performance. The product can be used both in oil-base and water-base system.

NRT 123 can be used in architecture coating, industrial paint, anti-corrosive paint, printing ink, plastic, and papermaking field etc.

Product properties

Standard Classification (ISO 591-1)	R2
Surface Preparation	Alumina, silica and special organic substance coating
TiO ₂ Content	≥ 92.5%
Rutile Content (conversion rate)	≥ 98.0%
Density	4.1~4.3 g/cm ³
Volatile at 105°C	≤ 0.5%
Residue on Sieve 325m	≤ 0.01%
Water Suspension PH Value	6.5~8.0
Oil Absorption	≤ 22g/100g
Resistivity	≥ 5000Ωcm
Brightness (white wash L value)	≥ 95.0
Dispersibility (Hickmann number)	≥ 5.0
Lightening Power (TCS/Revnolds number)	≥ 1850

