



**newtox<sup>®</sup>** is a very well-known **Titanium Dioxide** pigment brand series which has been formulated to meet all the requirement for high-quality coating.

#### Product Description:

**newtox-11009** multi-purpose rutile titanium dioxide pigment coated with dense  $ZrO_2$  &  $Al_2O_3$  and special organic surface treatment. Products quality are very close to international advanced chloride process  $TiO_2$  products, having extreme whiteness and gloss, blue undertone, superfine particle size & narrow size-distribution, great UV-absorbing capacity, outstanding weatherability and chalk resistance, excellent hiding power and tinting strength, very good dispersion and stability. The products also show high gloss retention and tint retention, ensuring long term on exposure to weather conditions..

#### Application:

Rutile Titanium Dioxide pigments **newtox-11009** is high grade, general use, multi-purpose product, widely used in industries such as high grade indoor & outdoor coatings, interior and exterior latex paints, industrial coatings, powder coatings, plastics (PVC, PE, polystyrene and polyurethane etc.), masterbatch, PVC profile, rubber, high-grade printing ink and paper making, etc.

#### General Specification:

|                   |                                   |
|-------------------|-----------------------------------|
| Chemical Name:    | Titanium Dioxide ( $TiO_2$ )      |
| CAS NO.:          | 13463-67-7                        |
| EINECS NO.:       | 236-675-5                         |
| Color Index:      | 77891, pigment white 6            |
| ISO591-1:2000:    | R2                                |
| ASTM D476-84      | III, IV                           |
| Appearance        | White powder                      |
| Specific gravity  | 4.1 g/cm <sup>3</sup>             |
| Surface treatment | Dense alumina, zirconia + organic |

#### Technical Specifications (Standard: Q/SNB1-2012)

| Property                                 |                |
|--|----------------|
| $TiO_2$ content %                        | ≥94.5          |
| Rutile content %                         | ≥98.5          |
| Color (compared with standard sample)    | Not lower than |
| $\Delta L^*$ (sample-standard sample)    | ≥-0.3          |
| $\Delta s=(\Delta a^2+\Delta b^2)^{0.5}$ | ≤0.5           |
| Matter volatile at 105°C %               | ≤0.5           |
| Matter soluble in water %                | ≤0.5           |
| Residue on sieve 45μm %                  | ≤0.01          |
| PH of aqueous suspension                 | 6.5-8.0        |
| Whiteness %                              | ≥98            |
| Oil absorption g/100g                    | ≤18.5          |
| Tinting strength, Reynolds number        | ≥1950          |

#### Package and shelf life:

25kg paper-plastic compound bag, or as clients' requests offer 500kg/1000kg big woven plastic bag.

The product is a kind of white powder which is safe, nontoxic and harmless. Keep from moisture during transport and should be stored in a cool, ventilated, dry place. Avoid breathing duct when handling, and wash with soap & water in case of skin contact. For more details, please refer to the Material Safety Data Sheet.