



## TITANIUM DIOXIDE R-2617

R-2617 is a zirconium, aluminum surface treated rutile titanium dioxide pigment with high gloss, high dispersibility and high opacity, designed to give average particle size distribution and is well suited for solvent-based paint, gloss and matt exterior and interior architectural latex paint, industrial paint and solvent based printing ink.

### Typical Properties:

|   |   |
|---|---|
| Crystal Form                                  | Rutile  |
| Inorganic Surface Treatment                   | ZrO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> |
| Organic Surface Treatment                     | Yes   |
| ISO 591-1 and DIN 55912 Classification        | R-2   |
| ASTM D476 Classification                      | Type III  |
| Relative Scattering Power (ISO 787-24)        | 95% - 105%  |
| Color (ISO 787-25)                            | $\Delta E \leq 0.5$                               |
| Density (ISO 787-10)                          | 4.0g/cm <sup>3</sup>                              |
| Dispersion in Polyester System (GB/T 21868.3) | $\leq 25 \mu\text{m}$                             |

**Key Features:** • High gloss • Easy wetting and dispersion • Excellent hiding power  
• Excellent Whiteness • Weather resistance • Super durability

### Typical Data:

|   |                       |
|---|-----------------------|
| TiO <sub>2</sub> Content (ISO 591-1)      | 94%                   |
| CIE L*, dry powder (GB/T 5950-2008)       | 98.5                  |
| pH Value (ISO 787-9)                      | 7 – 8.0               |
| Oil Absorption (ISO 787-5)                | 19g / 100g            |
| Residue on 45 $\mu\text{m}$ (ISO 787-18)  | 0.01%                 |
| Resistivity (ISO 787-14)                  | 150 $\Omega\text{-m}$ |
| Volatiles at 105 (ISO 787-2) at packaging | 0.4 %                 |
| Brightness %                              | 97.5 %                |
| Tinting Strength                          | $\geq 115$            |
| Oil dispersion (Hegman)                   | $\geq 6.0$            |

*Subject to measurements in CoA*

**Application:** Versatile pigment in solvent and waterborne systems for architectural, industrial and automotive application, e.g universal coating, solvent ink, leather paints, rubber, plastics, tin coatings.

**Packing:** 25 kg paper bags.

**Health and Safety Precautions:** Relevant local health and safety precautions should be followed. Gloves, safety goggles and respirator with submicron particle filtration should be worn. MSDS is available upon request.

**Storage:** Store the product indoors in clean and dry conditions. The shelf live is two years if stored properly. First-in, first-out regime is highly recommended to ensure the performance of the product.

**Disclaimer:** The above information is offered free solely to provide possible suggestions. Given variations in actual end-use conditions, no warranties are given and no liabilities are assumed in connection with any use of this information.