

# JTCR-507

## Product Information

### Product Description

JTCR-507 is a rutile titanium dioxide pigment produced by chloride process. It is designed in applications which requiring high levels of resistance to chalking, gloss retention, and colorfastness. Except excellent outdoor durability, JTCR-507 also has good dispersibility, superior hiding power and tinting strength.

**Table 1**

Analysis and Physical Properties of JTCR-507

| Property                     | Value         |
|------------------------------|---------------|
| TiO <sub>2</sub> , wt%       | ≥89.0         |
| Alumina, wt%                 | 3.5           |
| SiO <sub>2</sub> , wt%       | 5.5           |
| Specific Gravity             | 3.9           |
| Bulking Value, L/kg (gal/lb) | 0.255 (0.031) |
| Organic Treatment            | None          |
| Color CIE L*                 | 99.6          |
| Median Particle Size, μm     | 0.50          |
| Oil Absorption               | 22            |
| pH                           | 6.5-8.5       |
| Carbon Black Undertone       | 12.0          |

Note: All values are typical unless otherwise specified

### Key Features

- TMP Free
- Excellent exterior durability
- Good dispersibility
- Outstanding hiding power and tinting strength

### Suggestions for Use

Due to its exceptional outdoor durability, JTCR-507 is an ideal choice for coating applications, including:

- OEM automotive topcoatings and refinish coating
- High-durability exterior coatings
- Aerospace coatings
- Powder coatings
- Other industrial OEM and professional coatings requiring exceptional resistance to chalking and color retention.
- Exterior plastic applications

### Excellent exterior durability

JTCR-507 undergoes a uniform and dense 5.5% silica treatment combined with a 3.5% alumina treatment, which deliver its exceptional exterior durability.

### Outstanding hiding power and tinting strength

The uniform particle size distribution of this titanium dioxide contributes to its outstanding hiding power and tinting strength.

### Shipping Containers

JTCR-507 is available in 25 kg paper bag and 1 metric ton big bag.

### Product Storage

The shelf life of JTCR-507 is indefinite as long as the material is kept from direct contact with moisture. For further information about this grade or to request a sample, please see the JIUTA website.