

## **TITANDIOXID RC**

### **Product Properties:**

Titan dioxide are chemically produced pigments. **TITANDIOXID RC** products are pre-dispersed rutile pigments, i.e. TiO<sub>2</sub> products which is widely useful in all kinds of technical applications: paints, coatings, paper, paperboards, adhesives, plastics and rubbers, floor coverings, ceramics, roofing materials and in a lot of special products.

## ***MORE THAN SIX SHADES OF PLAIN WHITE***

### **Key Benefits at a glance:**

- High white opacity and brightness
- Excellent light scattering properties
- Outstanding wet opacity
- Adsorption of UV energy by different uses
- Adjustable per application



Picture: capturing-the-human-heart-528382-unsplash

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## TITANDIOXID RC

### Introduction:

**TITANDIOXID RC** products are a micronized rutile pigments, lattice stabilized with  $Al_2O_3$ . Due to their special surface treatment with Al- and Si-compounds, excellent light and weathering resistance are attained. The high level of whiteness of this pigment in combination with a good dispersibility permit a high covering power with extraordinary yield in almost all media. If needed, the special organic surface modification leads to a perfect dispersion and thus to an excellent gloss of the finished product.

**TITANDIOXID RC** products can be used in industrial varnishes and paints, decorative paints, printing inks, road marking paints, powder coatings and polymer plastisols.

### Chemical and Physical Data:

Name of product	Amount of TiO <sub>2</sub> -Rutil pigment [%]	Sieve residue >40 µm [%]	Whiteness Ry	Spec. surface BET [m <sup>2</sup> /g]	Moisture [%]	Bulk density (untamped) [g/ml]	Organic surface modification [g/ml]
<b>TITANDIOXID RC 82</b>	> 94	< 0,01	97	11	0,5	0,6	--
<b>TITANDIOXID RC 84</b>	> 88	< 0,01	97	17	0,5	0,6	--
<b>TITANDIOXID RC 86</b>	> 80	< 0,01	97	30	1,5	0,6	--
<b>TITANDIOXID RC 813</b>	> 93	< 0,01	97	15	0,5	0,7	+
<b>TITANDIOXID RC 823</b>	> 94	< 0,01	97	14	0,5	0,7	+
<b>TITANDIOXID RC 833</b>	> 94	< 0,05	97	16	0,5	0,7	+

### Application examples:

#### Paints and coatings:

- Applications: wallpaper coatings, dispersion paints, high gloss dispersions primers, plaster & road marking paints
- Impression of luminosity by interior using

#### Paper:

- Applications: carton-paper coatings, decorative paper.
- High whiteness and opacity

#### Special applications:

- Enamel ceramics, white concrete, printing inks
- Highest whiteness and superlative coloring



Picture: joeh-filipe-189405-unsplash  
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