

**Description**

An universal, high quality micronized rutile titanium dioxide with an increased inorganic surface treatment with aluminum and silicon compounds, with Al-ion modification in the crystal structure.

**Application**

Characterized by a combination of outstanding dispersion and optical parameters. It mixes readily using standard equipment and technology. It is recommended for both decorative paints and common industrial coating materials which require stable optical parameters and excellent resistance to climatic conditions, i.e. for the dispersion of water-soluble paints, emulsions, air drying synthetic enamel paints, heat curing, two-compound, and acid curing systems. This titanium dioxide is suitable also for those more demanding plastics manufacturing applications, and for products for interior or exterior use, e.g. injection moulding, rolling, casting, the production of plates and hollow objects, polyolefin products, PVC, etc. In the paper industry, it is used mainly for surface coatings for paper, or for barrier papers. In the building industry used for pigmentation of concrete architectural and concrete brut elements as well as for transparent bitumen colouring

**Basic characteristics**

|                           |                         |
|---------------------------|-------------------------|
| Grade                     | rutile pigment          |
| Surface treatment         | Al, Si                  |
| TiO <sub>2</sub> content  | 95%                     |
| Oil absorption            | 20 g/100 g              |
| Classification EN ISO 591 | R 2                     |
| Classification ASTM D476  | II, IV                  |
| Classification EN 12878   | Pigment category B      |
| Specific gravity          | 4.0 g/cm <sup>3</sup>   |
| Bulk density              | 650 kg/m <sup>3</sup>   |
| Tamped density            | 1 000 kg/m <sup>3</sup> |
| CAS No.                   | 13463-67-7              |
| EINECS No.                | 236-675-5               |
| Colour index              | 77891 Pigment white 6   |
| REACH Registration No.    | 01-2119489379-17-0013   |

**Safety**

Titanium dioxide PRETIOX is not classified as dangerous under the relevant EC Directives and is not dangerous according to transport regulations ADR/RID. PRETIOX RGU complies with the purity requirements on materials and articles intended to come into contact with food as well as with the EC Directives for Safety of toys. Complies with the European Standard EN 12878 for application in building industry.

This leaflet is a general guide to the properties and fields of potential application of PRETIOX grades. Information on application are given in good faith and does not constitute any guarantee. For specific grade selection please contact Technical Service.