

# Titanium dioxide rutile pigments

Specifications

## Titanium Pigments

### T770

The rutile pigment, produced by the sulfate method, is characterized by increased resistance to acidic environments, as well as excellent brightness, resistance to UV radiation, and provides gloss and corrosion resistance to the final product.

| No | Description   | Value   |
|----|---|---|
| 1  | Whiteness (%)   | 96,5  |
| 2  | Inorganic coating <sup>1</sup>                          | ZrO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> |
| 3  | Spreading capacity (g/m <sup>2</sup> )                  | 29  |
| 4  | Oil absorption, cm <sup>3</sup> /100 g of pigment       | 18  |
| 5  | Weight percent of volatile substance, %                 | 0,5   |
| 6  | Weight percent of water-soluble agent, %                | 0,5   |
| 7  | PH of water slurry                                      | 7-8   |
| 8  | Residue on the sieve with net 0045, %                   | 0,01  |
| 9  | Reducing power, c.u                                     | 1994  |
| 10 | Dispersive ability, μm                                  | 15  |
| 11 | Long-term strength                                      | high  |
| 12 | Designation according to the standard ASTM D-476-00     | Type II, III, IV, V, VI, VII                      |
| 13 | Classification according to the standard ISO 591-1:2000 | R2  |

**TY 20.30.21-001-24172600-2023**

**Package: 25 kg bags.**

**Scope of application:**

- in the production of external coatings;
- in the production of coatings used in aggressive environments;
- industrial paints;
- architectural water-based paints (for exterior and interior use) - glossy, semi-gloss, matte and primer
- in the production of organic-based printing inks

Pigment is a low-hazardous substance. Average maximum permissible concentration of Titanium dioxide in the air of the working area - 10 mg/m<sup>3</sup>.