

Technical Data Sheet (TDS)

Titanium Dioxide Rutile 2190

Applications

Decorative paints for indoors and outdoors
 Air-drying enamels
 Silicone resin and silicate paints and plasters
 Industrial coatings, including electrodeposition
 Indoor powder coatings
 High-solids

Properties

Yaros **2190 titanium dioxide**

- produces very high gloss
- disperses very readily
- develops outstanding lightening and hiding power
- is highly economical in use
- imparts good outdoor durability

Product Characteristics

Production	rutile pigment produced by the sulphate process
Surface treatment	aluminium and zirconium compounds
TiO ₂ content (ISO 591)	≥ 94 %
Standard classification (ISO 591; DIN 55912, Part 1)	R 2
Density (ISO 787, Part 10)	4.1 g/cm ³
Oil absorption (ISO 787, Part 5)	17 – 21 g/100 g

Product Specifications (excerpt)

Compliance with the following product specifications is currently checked and is the prerequisite for a release of the finished product.

Brightness (DFC L*) ¹	97.1 – 97.7
Tone, white (DFC b*) ²	0.9 – 1.7
Relative scattering power (MAB HTS) ³	99.0 – 106.0
Tone, grey (MAB HSC) ⁴	5.3 – 6.1

Methods of determination:

- ¹ DFC L* brightness in white air-drying paint (CIELAB L*)
² DFC b* tone in white air-drying paint (CIELAB b*)
³ MAB HTS relative scattering power according to DIN 53 165 (grey paste process)
⁴ MAB HSC tone in grey tints (absolute value of CIELAB b*)

