

TINOX R-2140 Rutile Titanium Dioxide

R-2140 is a versatile rutile TiO₂ pigment via sulphate process which is used in paints and coatings. It provides **good optical properties** in the pigmented system. The pigment type TINOX R-2140 is suitable for indoor and outdoor applications and is characterized by a long service life of the pigment properties. This TiO₂ pigment type provides **good gloss properties** and **strong hiding power** with **strong tinting strength** and **good dispersibility**. The main application of the pigment type TINOX R-2140 is the coating, paint and printing ink industry.

● Applications

- Solvent based and water based coatings
- Powder coatings
- Industrial coil coatings
- Emulsion paints, road marking paints

● Properties in pigmented system

- Strong hiding power and tinting strength
- Good dispersibility in waterborne and solvent borne system
- High gloss retention

● Product specification

TiO ₂ content %	≥94.0
Rutile content %	≥98.0
Powder brightness L*	≥95.0
Oil absorption [g/100g]	≤20
Rel. humidity (105C°)	≤ 0.5
Sieve residual [%] (45µm)	≤0.01
Surface treatment	Al, Zr, organic
Tinting strength in pigmented system (Reynolds)	≥1900
pH-value	6.5-8.5
Specific resistance Ohm*m	≥ 50
Dispersibility Hegman scale	≥6.50
ASTM D-476	II,III,IV,V
GB/T1706	R2

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