



CR-510 TiO₂

With a good particle size distribution and special surface treated, CR-510 rutile TiO₂ produced by **chloride process** is a multi-application product, widely used in coating, ink, plastic, etc. This product can meet the requirements of customers who use various grade pigments, reducing their storage cost.

Specifications

TiO ₂ content, %	94.5
Surface treatment	zirconia, alumina, organic
Identification	ISO591: R2; ASTM D-476-84: II(IV)
Rutile content, %	99.9
L*	98.3
b*	1.65
Specific gravity, g/cm ³	4.1
Tinting strength, %	118
pH	7.5
Oil absorption, g/100g	17.5
Mean particle size, μm	0.27
Carbon black undertone (CBU)	14

Product Features

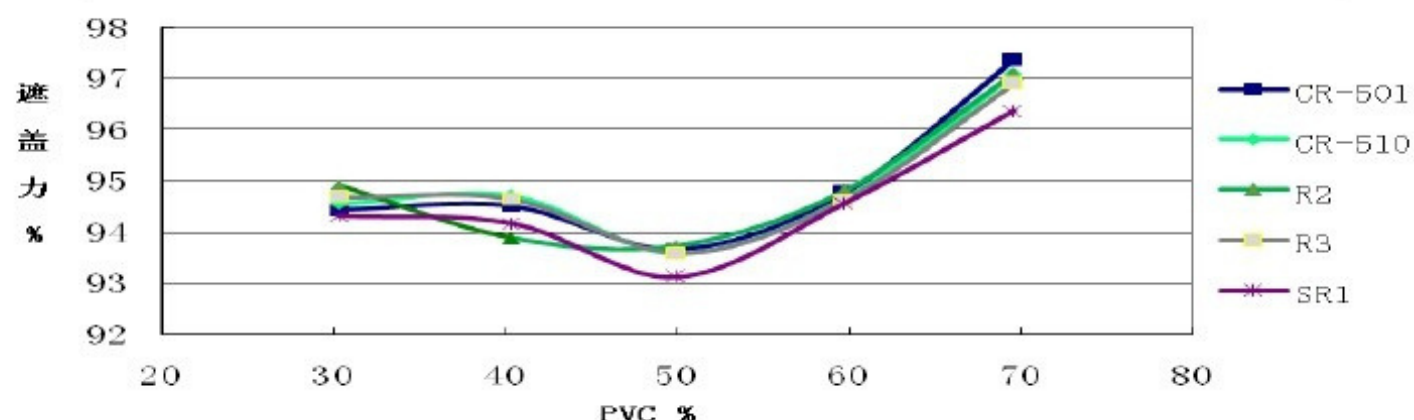
- ◆ bluish tone
- ◆ high brightness
- ◆ high durability
- ◆ multifunctional

RUTILE TITANIUM DIOXIDE

Application Suggestions

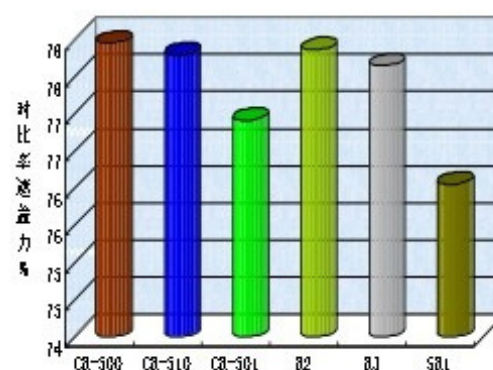
- ◆ interior & exterior gloss and flat architectural coatings, auto OEM and refinishing paints, coil coatings, anticorrosion paints, decorating coatings and powder coatings.
- ◆ ink for letterpress printing, offset printing, intaglio printing
- ◆ Engineering plastics, masterbatch, and profiles.

Application performance in coating system

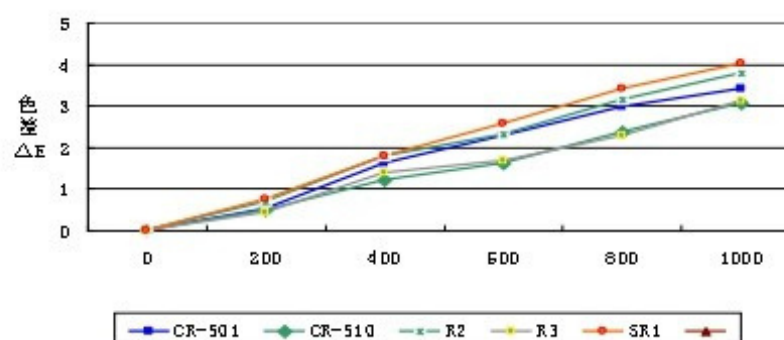
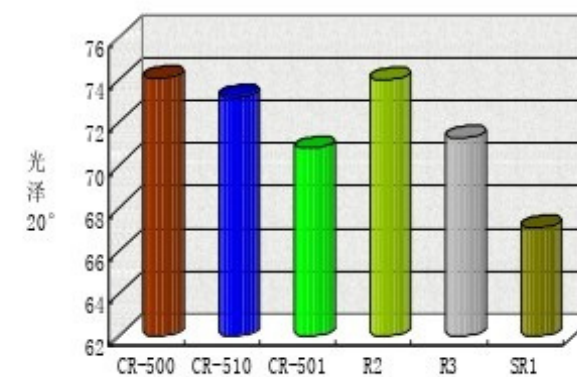


PVC vs Hiding power in emulsion paints using different TiO₂

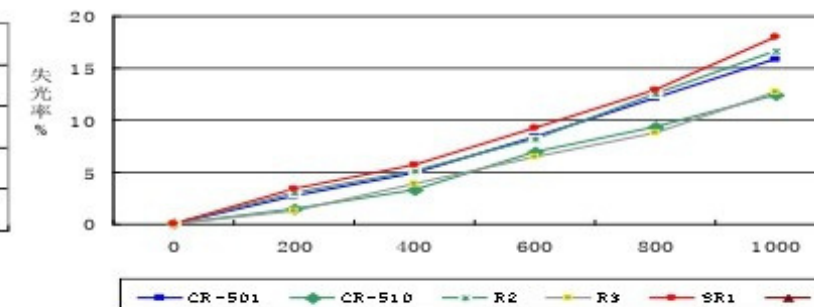
Hiding power comparison
acrylic polyurethane system with P/B=0.56



gloss comparison
acrylic polyurethane system with P/B=0.56



Aberration vs time



Clouding vs time