CR-57

Titanium Dioxide

TIPAQUE ® CR-57

CR-57 is a chloride process titanium dioxide pigment post-treated with alumina, zirconia, and an organic compound. It is a medium particle rutile grade that is known for its excellent gloss, superior hiding power, tinting strength and ease of dispersion. Due to its excellent durability, it is also recommended for a wide variety of applications, including both interior and exterior paint applications.

Chemical and Physical Characteristics

	CR-57	CR-50
Particle Size (µm)	**0.25**	0.25
TiO_2(%) Minimum	**95**	95
Oil Absorption (g/100g)	**17**	18
Post-Treatment	**Al, Zr, polyol**	Al

Dispersability

* Short Oil Alkyd

	Fineness development (μm)	
Dispersing Time	10 min.	20 min.
CR-57	**10↓**	**not observed**
CR-50	70	40

Film Properties

* Alkyd-Melamine Stoving Enamel, P/B=1/1

		CR-57	CR-50
Gloss (20^{o} -20^{o})		**73**	72
Hiding Power (CR%)		**91.4**	91.2
Color	L	**95.7**	95.6
	b	**0.8**	0.7
Tinting Strength	L	**46.8**	46.9
	b	**-5.4**	-5.4

Durability

* Alkyd-Melamine Stoving Enamel, P/B=1/1