

KEMOX RC 822 is silica - alumina and organic treated titanium dioxide pigment produced by the chloride process. It has the highest degree of gloss and tint retention properties in exterior film applications. It is characterized by an optical balance of high initial gloss, ease of dispersion, opacifying power and exterior weathering properties

Applications

KEMOX RC 822 is recommended for interior and exterior enamels and lacquers for industrial and architectural purposes.

Typical Properties	
Titanium Dioxide (min)%	90
Rutile content (min)%	99
Specific Gravity	4
Bulk Density (g/cc)	0.87
Treatment	Al, Si
Oil Absorption (max)	21 g oil /100g pigment
pH	7.0 to 8.0
Volatile matter at 105°C (%)	0.6
Average particle size microns(Microtrac)	0.30 to 0.34
Chalk Resistance	high
Grit (325 mesh) % max	0.004
ISO 591 Clause	R2

Packaging

25 Kg. multiwall paper bags.

PIGMENTARY CHARACTERISTICS/CHEMICAL COMPOSITION

Titanium Dioxide	97.50% (min.)
pH	6.0-8.0
Iron	0.0170% (max)
Volatile	0.50% (max.)
Matter soluble in water	0.50% (max)
Colour	Close match to the approved sample
Reducing power	Close match to & approved sample
Residue on 325 mesh	0.10% (max.)
Oil Absorption	22+/-2
Tinting strength	1250 (Guaranteed) 1300 (Typical)
Relative density at 27 °C	3.7-3.9
P ₂ O ₅	0.50% (max.)
SiO ₂	0.70% (max.)
Al ₂ O ₃	0.10% (max.)
Sb ₂ O ₃	0.015%(max)
Copper	0.002% (max.)
V ₂ O ₅	0.0015% (max.)
Cr ₂ O ₃	0.0010% (max.)
Chalk Resistance	Low
Physical data	
Colour	White powder (Solid)
Odour	Odourless
Melting point	1830 °C
Boiling Point	3000 °C