

Zinc Chromate

Version 2026-10-22b · Revision 2026-10-22

C.I. Name	Pigment Yellow 36	C.I. No.	77955
CAS No.	37300-23-5	Chemical Group	Zinc Chromate

Product Description

Zinc Chromate is an inorganic pigment intended for use mainly as anti-corrosive pigment for its rust-inhibiting properties in general.

Applications

Anti-corrosion paints and coatings, anti-rust primers, plastics, rubbers printing inks, watercolors, oil paints etc.

Physical Data

Density (g/cm ³)	3.4~4.7
Form of supply	Yellow Powder
Oil absorption (g/100 g)	20~25
Moisture (%)	≤1.0
pH value	6
Light fastness (scale 1–8)	6~7
Mesh residue	≤0.5% (45 μm)
ZnO Content % by Mass	36~40
CrO ₃ Content % by Mass	Min. 43
K ₂ O Content % by Mass	10 ~ 12
Water Soluble Chromate Content %	0.25 ~ 0.5
Water Soluble Chloride Content %	Max. 0.1
Water Soluble Sulphate Content %	Max. 0.1
Water Soluble Nitrate Content %	Max. 0.1

Product Specification

Test Property	Specification	Test Method
ΔE	≤1.0	AFTM-P 2.1
Colour strength	100±5%	AFTM-P 2.1

Packaging, Shipping & Storage

Zinc Chromate is supplied as yellow powder. The product is packed in paper bag and shipped on pallets of 500 kg. Store under normal temperatures, dry and protected from weather.

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.