

# TECHNICAL DATA SHEET (TDS)

## Zinc Chrome Yellow Pigment

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### 1. Product Description

Zinc Chrome Yellow is an inorganic mixed-phase pigment composed of zinc chromate and other chromate compounds. It offers bright yellow shade, good hiding power, and excellent anti-corrosion performance, widely used in industrial coatings.

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### 2. Chemical Composition

Zinc Chromate-based inorganic pigment

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### 3. Color Index

Pigment Yellow 36 (PY36)

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### 4. Physical Properties

- Appearance: Yellow powder
  - Shade: Greenish yellow / reddish yellow (optional grades)
  - Density: 3.2 - 3.8 g/cm<sup>3</sup>
  - Oil Absorption: 15 - 25 g/100g
  - Moisture: ≤ 1.0%
  - pH Value: 6.0 - 8.0
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### 5. Performance Features

- Excellent anti-corrosion performance
  - Strong hiding power
  - Good heat resistance
  - Good weather resistance (moderate grade)
  - Bright and stable yellow shade
  - Good compatibility with alkyd, epoxy and industrial coating systems
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## 6. Applications

- Anti-corrosion primers
  - Industrial protective coatings
  - Coil coatings (limited use depending on regulation)
  - Heavy-duty machinery coatings
  - Steel structures and marine coatings (select markets)
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## 7. Packing

- 25 kg kraft paper bags
  - 1000 kg jumbo bags (optional)
  - Palletized packing available for export
  - Fumigated wooden pallets for sea shipment
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## 8. Storage

Store in a dry, cool and ventilated place.  
Keep away from moisture and direct sunlight.

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## 9. Safety Information

Contains chromium compounds.  
Handle with appropriate protective equipment.  
Refer to MSDS for detailed safety instructions.

