

Product Data Sheet

Talc — Paint Grade

Description

Description	Paint grade talc is a high-brightness, micronised hydrated magnesium silicate used as a functional filler and extender in paints and coatings. Its platy particle structure improves film integrity, suspension, sag resistance, and tint retention, while extending titanium dioxide.
Applications	Used in decorative and industrial paints, primers, putties, powder coatings, and as a TiO ₂ extender for improved hiding and film properties.
Used In	Paints, primers, putties, coatings, TiO ₂ extender

Key Benefits

- High brightness for clean, bright finishes
- Platy structure improves film integrity and sag resistance
- Good suspension and anti-settling properties
- Extends titanium dioxide, improving economics
- Low oil absorption and controlled particle size

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Magnesium Oxide (MgO)	30% – 32%
Silica (SiO ₂)	60% – 63%
Calcium Oxide (CaO)	Max. 0.8%
Iron Oxide (Fe ₂ O ₃)	Max. 0.5%
Loss on Ignition (LOI)	5% – 7%
Talc Content	Min. 90%

Physical Properties

Property	Specification
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Form	Micronised powder
Typical D50	To buyer requirement (e.g. 5–15 µm)
Brightness (ISO)	88 – 94
Oil Absorption	Typically 30 – 45 g/100g
Moisture	Max. 0.5%

* Particle size to buyer requirement. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Keep bags sealed to maintain whiteness and prevent contamination
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.