

Product Data Sheet

Silica Sand — Paint & Coating Grade

Description

Description	Paint- and coating-grade silica with SiO ₂ min. 97%, supplied as fine graded sand or ground powder. Used as a functional filler and extender, it improves durability, abrasion resistance, and surface finish in paints and coatings.
Applications	Used as a filler / extender in paints, coatings, putties, sealants, and industrial flooring systems.
Used In	Paints, coatings, putties, sealants, flooring

Key Benefits

- High purity – SiO₂ min. 97%
- Low iron (Fe₂O₃ max. 0.10%) for colour consistency
- Improves durability and abrasion resistance
- Inert filler / extender with good chemical resistance
- Available as fine sand or ground powder

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Silicon Dioxide (SiO ₂)	Min. 97.0%
Iron Oxide (Fe ₂ O ₃)	Max. 0.10%
Aluminium Oxide (Al ₂ O ₃)	Max. 1.00%
Titanium Dioxide (TiO ₂)	Max. 0.05%
Calcium + Magnesium Oxides (CaO + MgO)	Max. 0.50%
Loss on Ignition (LOI)	Max. 0.3%
Clay Content	Max. 0.2%

Physical Properties

Property	Specification
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Form	Fine graded sand / ground powder
Typical Sizing	To buyer requirement (mesh / micron)
Moisture	Max. 0.3%
Hardness (Mohs)	7
Origin	India

* Typical values; mine- and lot-dependent. 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 and contamination
- Avoid dust generation; provide adequate ventilation
- Keep away from contaminants that could affect purity
- 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.