

Product Data Sheet

Mill Scale — Low Grade

Description

Description	Low-grade mill scale is the iron-oxide by-product of hot steel rolling with a lower iron content (approximately 55–64% Fe) and higher levels of sulphur, silica, or other metals and contamination (soil, rust, moisture). For refractory and low-quality industries, high purity is not essential, and this is the most affordable grade in the market.
Applications	Used mainly in cement manufacture, refractory materials, and low-quality iron products where high purity is not essential.
Used In	Cement, refractory materials, low-quality iron products

Key Benefits

- Iron content – approx. 55–64% Fe
- Most affordable grade in the market
- Used to increase cement strength while keeping costs low
- Suitable for refractory and low-quality industries
- High purity not required for these uses

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Iron Content (Fe)	Approx. 55 – 64%
Sulphur (S)	Higher levels
Silica (SiO ₂)	Higher levels
Other Metals / Contamination	Higher (soil, rust, moisture)
Texture	Powdery and flaky
Moisture	Variable (higher)

Physical Properties

Property	Specification
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Form	Powdery / flaky scale
Colour	Dark / mixed
Contamination	Higher (soil, rust, moisture)
Grade	Low grade (most affordable)
Origin	India

* Low-grade mill scale; iron content approx. 55–64% Fe with higher and variable contamination. Test methods available upon request.

Packaging

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

Storage & Handling

- Store in a dry, covered area to minimise moisture pick-up
- Avoid dust generation; provide adequate ventilation
- Stack bags on level ground; keep away from contaminants
- 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. Mill scale is a steel-rolling by-product; chemistry varies by source and lot, and figures are typical ranges. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.