



Product Data Sheet

WOLLASTONITE 325 Mesh

Calcium Metasilicate

Average technical data

Description

Wollastonite Powder milled from high purity natural wollastonite mineral of chemistry CaSiO₃. Suitable for use in paint, plastic, ceramic, cement, refractory, adhesive and other industrial applications.

Particle Size

	% Passing
325 mesh passing: (44 micron)	97

Chemical Composition

SiO ₂	50.5%
CaO	47.5%
Fe ₂ O ₃	0.2%
Al ₂ O ₃	0.25%
MgO	0.25%
K ₂ O	0.04%
Na ₂ O	0.01%
MnO	0.05%
SO ₃	Trace
P ₂ O ₅	Trace

Physical Properties

Hardness Moh's	4.5-5.0
S.G.	2.8
Whiteness	90
Refractive Index	1.63
Melting Point	1540°C
Oil Absorption	23
Morphology	Acicular

USES

Coatings

Industrial Coatings
Marine Paints
Membrane Coatings
Corrosion Resistant Coatings
Textured Coatings
Thermal Insulating Coatings
High Build Epoxy Coatings
Powder Coatings
Coil Coatings
Architectural Coatings
Primers
Road Marking Coatings

Adhesives

Spackel, Crack & Joint Fillers
Putties & Grouts
Stuccos and Renders
Cement Boards
Tile Adhesives
Floor Levelling Compounds

Composites, Polymers & Plastics

Mould Making
Modelling Compounds
Polymer Concrete
Masterbatch
Rubber (Elastomers)
Thermoplastics
Thermoset Polymers

Refractory & Ceramics

Sanitary-ware
Floor & Wall Tiles
Glazes
Fire Bricks
Castables
Insulating Materials

Abrasion & Friction

Abrasion Wheels
Brake Linings
Clutch Facings
Polishes

Welding

Flux
Welding Rod Coatings

BENEFITS

Scrub resistance
Fire resistant
Use on Interior or Exterior
Inert, Non-Toxic, Environmentally Friendly
Corrosion resistance
Abrasion resistance
Scratch resistance
Thermal Insulation
High Particle Strength
Low water absorption
Low shrinkage
Mildew resistance
Resistance to chemicals
Asbestos replacement
Cost effective
Stable after 1400°C
Improved impact resistance
Improved durability
Gloss Control / Matting Agent
DE replacement
pH Buffer/Stability
Increases Impact resistance
Improves tensile strength
Tint Retention
TiO₂ Pigment Extender
Acicular (needle like) morphology
Improved reinforcement
Low electro-conductivity
Reinforcing agent

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