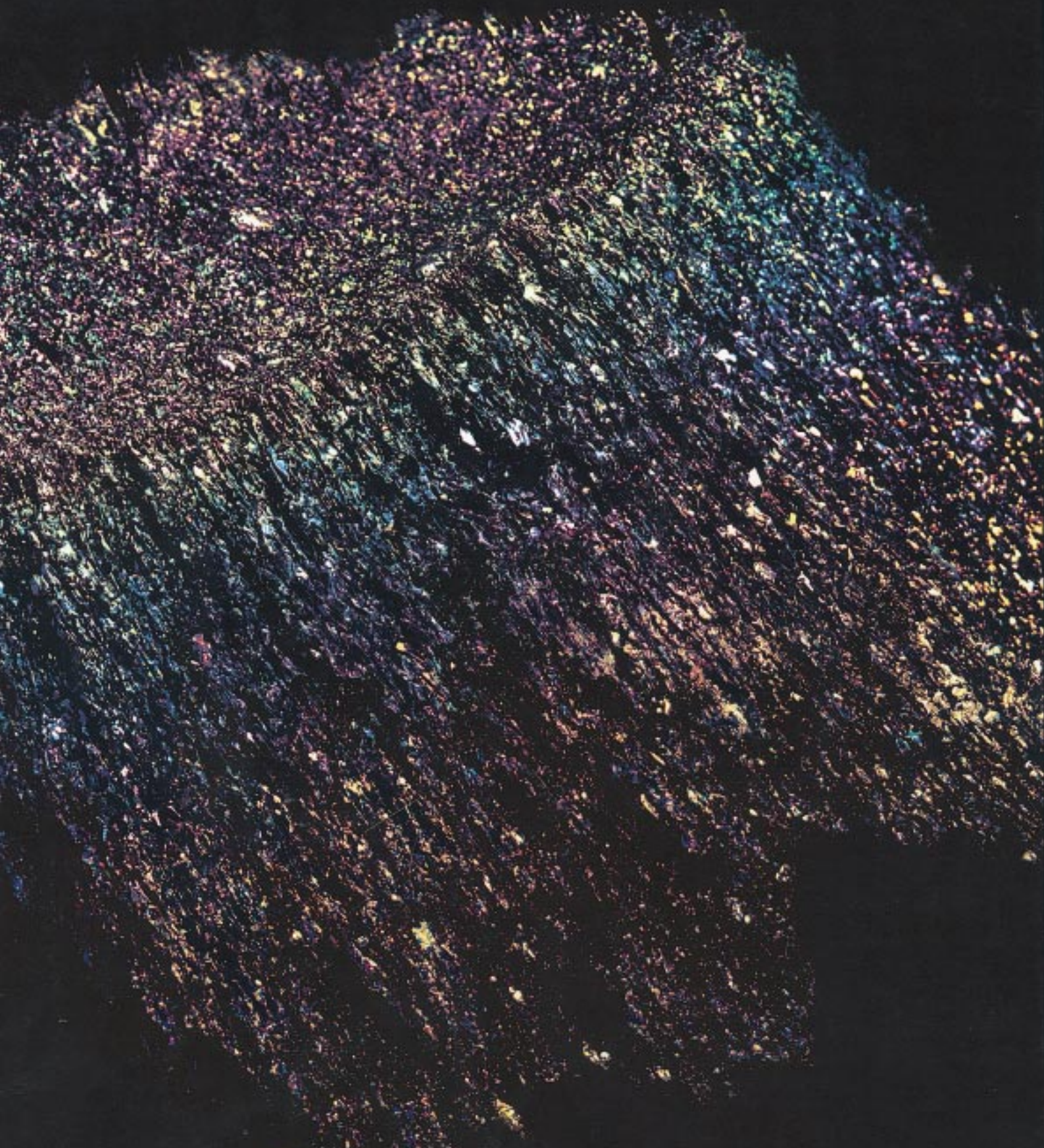


SILICON CARBIDE



SAINT-GOBAIN
INDUSTRIAL CERAMICS

The Multinational Abrasive Giant

GRINDWELL NORTON'S

ABRASIVE GRAINS ARE THE INDUSTRY STANDARD IN INDIA

Realising the growing demands in both domestic and export markets, Grindwell Norton setup shop for manufacturing of Silicon Carbide in India. Grindwell Norton boasts this facility as the biggest in India and first in Asia.

Grindwell Norton developed furnacing facilities at Tirupathi and crushing facilities at both Tirupathi and Bangalore.

Other firsts followed quickly. The pioneering of metallurgical applications for silicon carbide. The first micro-grit plant in India, producing grains as fine as 1,200 grit-size.

Against strong international competition, Grindwell has gained preference with customers in Europe, Australia, Japan and South-East Asia.

Worldwide Norton is a market leader boasting of a 21% market share. In India Grindwell Norton has remained the No.1 Silicon Carbide manufacturer for nearly two decades.

MARKETING

EXCELLENT COUNTRYWIDE NETWORK.

With a strong dealer and sub-dealer network, Grindwell Norton's marketing department provides quick and correct response to customer needs backed up with experienced technical assistance.

SILICON CARBIDE TYPES & APPLICATIONS

SiC-G

Green Silicon Carbide grains for Bonded applications.
Used in the manufacture of grinding wheels for cemented carbides, in roll-grinding, lapping and polishing of cemented carbides and glass.

SiC-BS

Black Silicon Carbide grains for Bonded applications.
Used in the manufacture of grinding wheels, polishing blocks, rubbing bricks, honing sticks, foundry fluxes, for abrasive blasting, lapping, cutting and polishing of gems and granite, antiskid surfacing and other general purpose applications.

SiC-C

Black Silicon Carbide grains specially shaped and sized for Coated applications.
Used in the manufacture of Coated abrasives on paper or cloth backing for wood, chipboard, floor sanding, stainless steel, non-ferrous metals, automotive wet sanding and glass.

SiC-RP

Black Silicon Carbide Pan-Milled grains for refractory applications.
SiC-RP grain is specially developed and has a rounded blocky shape to meet this specific need of refractory manufacturers and users.

Used in the manufacture of High Temperature refractories, kiln furniture, bricks, plate setters and other special refractory shapes.

SiC-RC

Black Silicon Carbide grain for manufacturing Crucibles.
Used in the manufacture of Silicon Carbide Crucibles.

SiC-B

Black Silicon Carbide for polishing and other applications.
Used in polishing, tumbling, blasting and other loose grain applications.

SiC-MC

Black Silicon Carbide in powder form for metallurgical applications.
Used as a de-oxidizer in Steel Mills and Foundries with Arc/Induction furnaces. Also increases Silicon and Carbon contents in metal, imparts better machinability through reduced chill and increases fluidity of the slag.

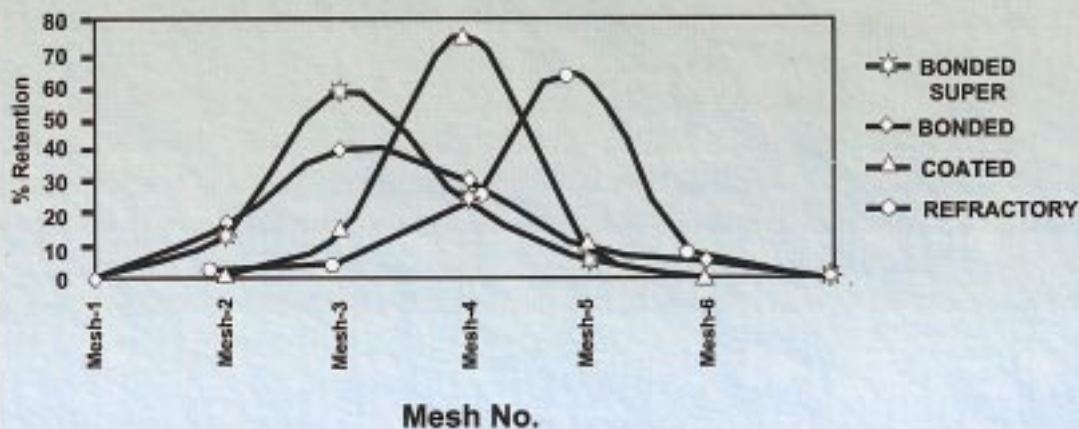
SiC-M

Black Silicon Carbide in powder form for metallurgical applications.
Used as a de-oxidizer in Steel Mills and Foundries with Arc/Induction furnaces. Also increases Silicon and Carbon contents in metal, imparts better machinability through reduced chill and increases fluidity of the slag.

SiC-RDS

Black Silicon Carbide especially developed for Rice and Dal Mill Shellers.

TYPICAL SIZE DISTRIBUTION OF SiC GRAINS



MESH	Mesh-1	Mesh-2	Mesh-3	Mesh-4	Mesh-5	Mesh-6
BONDED SUPER (BS)	0	12	58	25	5	0
BONDED (B)	0	15	40	30	9	5
COATED (C)	1	14	75	10	0	0
REFRACTORY (RP)	0.5	3	25	55	7	0



Norton manufacturing facilities worldwide.

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