

Siteright Construction Supplies Ltd

Rapid site supply of a wide range of construction accessories. Agents for rebar and reinforcement mesh. Specialist site fabrications. Expansion joint products.

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TECHNICAL DATA

Brand Name: Black Silicon Carbide

Product: Silicon Carbide – Black

Description: A high grade electro fused black silicon carbide.

Application: One of the toughest and most aggressive products in the synthetic mineral ranges for use in a myriad of applications from general blasting and surface finishing of non aero components, anti slip flooring, vibratory finishing medias, safe manufacture, coated & bonded abrasives and polishing compounds.

Chemical Composition:

Compound	Chemical Formula	Typical Content %
Silicon Carbide	Sic	97.50 - 98.50%
Free Silicon	Si	00.50%
Silica	SiO ₂	01.00%
Free Carbon	C	00.30%
Iron (Surface)	Fe ₂ O ₃	00.10%
Aluminium Oxide	Al ₂ O ₃	00.50%

Physical Parameters:

Bulk Density 1.64 – 1.88 g /cc (subject to grade)
Shape Angular
Colour Black Iridescent
Specific Gravity 3.20 g/cc
Hardness 9 moh / 2500 knoop Diamond

Gradation:

FEPA F macro range 8 to 220 and micro 240 to 1200, bespoke and blended grades on request.

Packaging:

Typically 25 kg multi ply paper sacks.