

Black SiC for refractory applications is available in various SiC quality grades and particle shape and size fractions. These characteristics are adapted to the specific Refractory application and customer need.

Particle Size Fractions

All SiC quality grades can be supplied in different size ranges. Beside our standard splits, blends and fines, we can produce our grains according to customers' requirements.

Packaging 1.000 kg or 1.500 kg Big Bags or 25 kg paper bags. Silo trucks on request.

Size Range

	Products
Standard splits	0.1-0.5 / 0.2-0.5 / 0.5-1 / 1-2 / 1-3 / 2-3 / 3-5 (mm) and 7x12 / 14x30 / 36x70 / 80x180 (mesh)
Standard blends	0-0.2 / 0-0.35 / 0-0.5 / 0-1 (mm) and 80F / 50F / 35F / 10F / 6F
Standard fines	0-0.1 / 0-0.06 (mm), 4µm and 100F / 200F / 325F / 500F / 1200F / DIN70 / DCF

Grain Shape and Density

By various crushing and milling techniques, grain shapes and bulk densities are obtained. We make the grain cubic or splintery according to customer needs.

SiC QUALITY GRADES

SIKA REF I

	Typical Chemistry		Typical Application
	SiC min %	MI	
High Grade	98.5 %	min. 100 ppm	Kiln Furniture, Bricks and Tiles for Incinerators, Heat Exchanger Tubes, ...
Non Iron	98 %	100 - 350 ppm	Kiln Furniture, Bricks, Tiles and Mortars for Incinerators, Wear Resistance Pumps, ...
Standard	98 %	According to customer needs	Bricks and Monolithics for Blast Furnaces, Torpedo Laddle, Aluminum Reduction Cells, Crucibles, Foamglass...

SIKA REF II

	Typical Chemistry		Typical Application
	SiC min %		
Standard	95 %		Bricks and Monolithics for Blast Furnaces, Tap Hole Clay, Runners, Crucibles, Ceramic Filters, ...

SIKA REF III

	Typical Chemistry		Typical Application
	SiC min %		
Standard	90 %		Monolithics, Tap Hole Clay, Mortars

SIKA REF IV

	Typical Chemistry		Typical Application
	SiC min %		
Standard	< 90 %		Monolithics, Tap Hole Clay, Mortars

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