

■ **Introduction:**

The oxide bonded silicon carbide ceramic plate (kiln furniture) are widely used in sintering of ceramics, porcelain, sanitaryware, magnetic material, electrical ceramics etc. Thanks to the excellent high temperature resistance and compressive strength of energy saving flame baffle which can last longer and help customer reduce the cost of consumption refractories.

■ **Technical data sheet:**

Item	Unit	Technical Data
SiC Content	%	≥ 90
Max. Service Temperature	°C	≥ 1500
Refractoriness	SK	≥ 39
Refractoriness Under Load	°C	≥ 1750
Density	G/cm ³	2.70-2.75
Open porosity	%	7-8
Bending strength	Kg/cm ²	500(20°C)
	Kg/cm ²	550 (1200°C)
Thermal conductivity (1000C)	Kcal/m.hr.C	13.5- 14.5
Thermal expansion(1000C)	%	0.42-0.48

■ **Advantages:**

1. Excellent high temperature resistance up to 1450°C of Oxide bonded silicon shield
2. Excellent thermal shock resistance
3. Longer service life of Oxide silicon refractory baffle