

WC88R™

Reaction-Bonded Silicon-Carbide Cast Ceramic



Features & Benefits

Wear-Con **WC88R™** Reaction-Bonded Silicon Carbide Cast Ceramic offers good abrasion, corrosion, and high-temp resistance, making it ideal for wear components such as screws, plates, and liners.

Installation

Wear-Con **WC88R™** can be installed with epoxy or cast with weldable inserts.

Technical Specifications

Wear-Con **WC88R™** is lightweight and stiff with excellent thermal stability.

Technical Specifications		
Property		WC88R™
Density	kg·m ⁻³	3040
Apparent Porosity	%	0
Young's Modulus	GPa	400
Bend Strength	MPa	390
Hardness	HV	250
Coeff. of Thermal Expansion	10x10 ⁻⁶ /°F (10x10 ⁻⁶ /°C)	2.4 (4.3)
Thermal Conductivity	W/m°K	145
Maximum Service Temperature	°F (°C)	2507 (1375)

Sizes

Wear-Con **WC88R™** components can be formed into complex shapes and still meet exacting tolerances, due to the negligible volume change after the silicon reaction bonding process.

(See reverse for **WC88R™** Information.)

2845 E. Heartland Drive
Liberty, MO 64068

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816-587-1923 • Fax 816-587-2055
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www.wearcon.com



WC88R™

Reaction-Bonded Silicon-Carbide Cast Ceramic



Burner nozzle lined with **WC88R™**.



Weldable Tiles



Edge Protectors for a Separator

(See reverse for **WC88R™** Information.)



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Applications:

- Cyclone Apexes
- Inlet Heads
- Transitions
- Liners
- Chutes
- Burner Barrels
- Nozzles
- And Many More!

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SILICON CARBIDE

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