

# ProGUN 80 Technical Datasheet

## Silicon Carbide Monolithic

"Refrax ProGUN 80 is an extremely dense high purity silicon carbide monolithic designed specifically for use on studded tube walls in boilers.

High strength development within 12-24 hours of installation occurs throughout its applied thickness, in this calcium aluminate bonded monolithic, whereas heat setting mixes develop minimum strengths in the cool areas adjacent to water cooled tubes.

These features allow its usage along grate lines where erosion can be very severe. On the upper tube wall areas, its high thermal conductivity allows maximum heat transfer which assures minimum ash / slag build up.

It can be installed using conventional gunning and casting techniques. To achieve maximum physical and heat transfer properties, gunning is recommended

High Thermal Conductivity for Maximum Heat Transfer and High yield  
Packaging:

Supplied dry in 25-kg polyethylene sacks, on pallets in 1000-kg units.

Shelf life: 12 months if stored in a cool, dry place.

Property	Value		Method
Typical Chemical Analysis	SiC	82%	DIN EN ISO 21068 DIN 13925 DIN 51001
	Al <sub>2</sub> O <sub>3</sub>	12%	
	SiO <sub>2</sub>	2.0%	
	CaO	2.5%	
	Others	1.5%	
Grain Size	10f		EN 933-2 : 1996
Installed density	2500 kg m <sup>3</sup>		BS EN 993-1:1995
Cold Crushing Test	Cast & dried		BS EN 993-5 :2000
	Fired 1000°C		
	35 Mpa		
	60 Mpa		

[www.refractories.saint-gobain.com](http://www.refractories.saint-gobain.com)



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