

## UNI-BRADE HP FSG

**UNI-BRADE HP FSG** is a low cement, fused silica gunning mix which is characterized by high strength, very good abrasion resistance and excellent thermal shock resistance. This product is recommended for wet bottom ash hoppers, transfer lines, and furnaces taken to moderate temperatures where frequent thermal cycling occurs.

<b>Service Temperature:</b>	2300°F	1260°C
<b>Material Required:</b>	129 lbs/ft <sup>3</sup>	2067 kg/m <sup>3</sup>
<b>Abrasion Resistance - ASTM C704:</b>	< 8.0 cc	< 8.0 cc

### TYPICAL CHEMICAL ANALYSIS (CALCINED BASIS), %

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	Alkalies
28.3	70.8	0.3	0.2	2.8	0.1

### TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Total Linear Change
°F	°C	lbs/ft <sup>3</sup>	kg/m <sup>3</sup>	psi	MPa	%
220	105	134	2150	14,000	97	0.0
1500	815	129	2070	11,000	76	-0.3
2200	1205	129	2070	13,000	90	-0.5

Creation date: 8/13/2024 - Check with your URC sales rep to determine if you have the current sheet  
UNI-BRADE HP FSG

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