

## UNI-LITE HP 80G+

UNI-LITE HP 80G+ is a premium gunning refractory designed for use in hydrocarbon processing applications. It is well suited for areas requiring a mid-weight density with superior strength and lower iron content.

<b>Service Temperature:</b>	2500°F	1370°C
<b>Water Required to Cast:</b>	21.5%	21.5% *
<b>Material Required:</b>	85 lbs/ft <sup>3</sup>	1362 kg/m <sup>3</sup>

### TYPICAL CHEMICAL ANALYSIS, %

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
43.4	47.3	1.1	1.7	5.6	0.9

### TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change %
°F	°C	lbs/ft <sup>3</sup>	kg/m <sup>3</sup>	psi	MPa	psi	MPa	%
220	105	92	1470	4,500	31	1,200	8	-0.1
1500	815	85	1360	3,500	24	900	6	-0.3
2000	1095	85	1360	3,600	25	900	6	-0.4

### K-values (BTU-in/hr/ft<sup>2</sup>/°F)

	400°F	800°F	1200°F	1600°F	2000°F
<b>Gunned</b>	3.23	3.34	3.50	3.74	4.13

\*SCAN THE QR CODE FOR SPECIFIC MIXING GUIDELINES.



Revision date: 7/24/2024 - Check with your URC sales rep to determine if you have the current sheet