



ALL-AMERICAN SUPPLY

*High-Tech Materials From The Outer Reaches
Of Space to the Depths of the Ocean*

Solar-Aero Space-Weapons-Nuclear
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BLU-RAM® HS PLASTIC

BLU-RAM® HS Plastic is a phos-bonded, mullite-based refractory with properties and performance characteristics comparable to 85% and 90% alumina-containing products. BLU-RAM® HS does not require forms during installation where anchors are present except for flat arch constructions.

TEMPERATURE CLASSIFICATION: 800-3100°F

MATERIAL REQUIRED PER CUBIC FOOT: 171 LBS.

PYROMETRIC CONE EQUIVALENT: 39

PHYSICAL PROPERTIES:

Test Temp (°F)	Bulk Density(pcf)	Modulus of Rupture (psi)	Permanent Linear Change (%)	Thermal Conductivity (Btu in./hr.sqft/°F)
230	160	1130	--	10.4
1000	--	1635	-0.2	9.7
1500	--	2220	0.2	9.2
2000	--	2410	-0.2	9.0
2500	--	2190	-0.2	9.1
2910	--	2110	+1.9	9.6

CHEMICAL ANALYSIS – CALCINED BASIS (Wt %):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	P ₂ O ₅	Alk	Other
72.3	20.4	1.0	1.8	4.0	0.3	0.2

Manufactured by Vesuvius USA.