

MATERIAL CODE NUMBER	RDB- HHD
CLASSIFICATION	ASTM C-27 ---- high heat-duty brick
SERVICE REQUIREMENTS	A high heat-duty quality brick with good resistance to abrasion, spalling, and chemical attack
METHOD OF MANUFACTURE	Dry-press
QC TESTING FREQUENCY	

PROPERTY	ASTM DESIGNATION	SPECIFICATION VALUE
PCE		30 - 31
Density lbs/ft ³	C-20	128 -135
Modulus of Rupture - psi	C-133	750 -1000
Reheat Test - at 2900°F - %	C-113	
Cold Crushing Strength* - psi	C-133	3000 to 4000
Apparent Porosity - %	C-20	16 - 21
Thermal Cond. @ 815° mean temperature. K: Btu in/(h-ft ² °F) -	C-201 and C417, Ascending Curve Max	
Chemistry (Composition %)		
Al ₂ O ₃		34.7
Fe ₂ O ₃		1.9
Si ₂ O ₃		58.9
TiO ₂		2.3
CaO		.2
Alkalies		2.0