

MATERIAL CODE NUMBER	RDB- RED
CLASSIFICATION	ASTM C-27 ---- red clay, low-duty brick
SERVICE REQUIREMENTS	A red clay, low-duty quality brick
METHOD OF MANUFACTURE	Dry-press
QC TESTING FREQUENCY	

PROPERTY	ASTM DESIGNATION	SPECIFICATION VALUE
PCE		14 – 15
Density lbs/ft ³	C-20	130 -132
Modulus of Rupture - psi	C-133	650 - 950
Reheat Test - at 2900°F - %	C-113	
Cold Crushing Strength* - psi	C-133	3500 to 4500
Apparent Porosity - %	C-20	18 - 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 Fe ₂ O ₃ Si ₂ O ₃ TiO ₂ P ₂ O ₅ Alkalies		