

properties	ASTM test standard	ASTM C216, Grade SW, FBX (clay brick requirements)	CalStar Brick
compressive strength, minimum average	C67	3000 psi	7820 psi
hot water absorption	C67	< 17%	6.1%
saturation coefficient	C216	< 0.78	0.4
efflorescence	C67	none	none
freeze/thaw	C67	50 cycles < 0.5% mass loss	50 cycles no mass loss
fire rating	E119	1 hour	1 hour
combustibility	E136	not combustible	not combustible
R-value	C518	0.44 hr·ft <sup>2</sup> ·°F/BTU	0.92 hr·ft <sup>2</sup> ·°F/BTU