



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST FS-Z

CLAYBURN CAST FS-Z is a low cement, thermal shock resistant castable containing a high percentage of fused silica. This product has a controlled positive expansion and was designed for molten zinc or aluminum contact. CLAYBURN CAST FS-Z is ideal for precast shapes, troughs or other metal applications.

SERVICE TEMPERATURE:	2400°F
MATERIAL REQUIRED FOR ESTIMATING:	118 lbs./cu. ft.
CASTING WATER:	7-8%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
24	70	0.3	0.4	0.1	3	0.2	1.5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1700-2200	6,300-8,350	+0.2
1000	1000-1100	4,500-5,800	+0.2
1500	1150-1450	4,500-6,200	+0.9

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.