

SPARCAST 25 I

SPARCAST 25 I is a medium weight general duty castable having good strengths and medium insulating values. **SPARCAST 25 I** is an excellent gunite material having very low rebound and can also be applied by trowel casting and vibration casting.

PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F	
Water Required for Casting (less for plastering)	3.5 to 4 qts. / 50 lb. bag	
Water Required for Predampening:	1 to 1.5 qts. / 50 lb. bag	
	<u>Cast</u>	<u>Gunite</u>
Bulk Density, lbs/ft ³	116 - 120	120 - 125
Cold Crushing Strength, psi		
After Heating to 1500°F	3500 - 5000	4000 - 6000
Modulus of Rupture, psi		
After Heating to 1500°F	500 - 700	600 - 900
Linear Change, %		
After Heating to 1500°F	-0.0 to -0.3	-0.0 to -0.3
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>	
500°F	4.50	
1000°F	5.10	
1500°F	5.40	

Typical Chemical Analysis, %

Al ₂ O ₃	41.9
SiO ₂	43.2
CaO	9.7
TiO ₂	2.0
Fe ₂ O ₃	2.6
MgO	0.4
Alkalies	0.3

The above are average results and do not constitute a specification.

SPARCAST 25 I is available in 50# bags, 1000#, 1500# and 2000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.