



ABLE INSULCAST 23 LW

ABLE Insulcast 23 LW is an insulating refractory castable for use up to 2300°F. It is a hydraulic setting castable which can be used as a back-up lining for a dense refractory as it has low thermal conductivity, or it can be used as an exposed lining where conditions are not severe.

Maximum Recommended Use Limit 2300°F
 Melting Point 2465°F

<u>TEST TEMPERATURE</u>	<u>DENSITY LBS./CU.FT.</u>	<u>MODULUS OF RUPTURE, PSI</u>	<u>COLD CRUSH PSI</u>	<u>LINEAR CHANGE %</u>
200°F	58	140-230	550	0
1000°F	56	110-190		-0.2 to -0.4
1500°F	53	100-170	460-600	-0.3 to -0.5
2000°F	51	105-180		-0.3 to -0.6

CHEMICAL ANALYSIS

Al ₂ O ₃	41.45
SiO ₂	38.28
Fe ₂ O ₃	2.13
FeO	1.08
TiO ₂	1.22
CaO	13.62
MgO	0.41
Alkalies	0.88
Ign. Loss	0.93

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./IN./°F

Mean Temp.	"K"
400°F	1.62
800°F	1.69
1200°F	1.79
1600°F	2.06
2000°F	2.54

Water required for mixing (by weight) 44-54%
 Quarts of water per 40/lb. bags 9-11
 Material required per cubic foot. 52-58

Packaged in 40 lb. bags, 54 bags per pallet - (2160 lbs.)