



ABLE INSULCAST 25 LW

Able Insulcast 25 LW is an Insulating, Refractory Castable for use limit of 2500 deg F. It may be used as a back-up insulation material or in direct contact with furnace conditions. It has good REFRACTORINESS and SPALL resistance. A feature of all Able insulating castables is their heat savings values, lightness of weight with a strong hydraulic setting, negligible shrinkage, good high temperature strength and desirable refractoriness.

Maximum Recommended Use Limit 2500°F
 Melting Point 2610°F

| <u>TEST TEMPERATURE</u> | <u>MODULUS OF RUPTURE, PSI</u> | <u>LINEAR CHANGE %</u> |
|-------------------------|--------------------------------|------------------------|
| 220°F | 200-320 | -0.3 to -0.4 |
| 1000°F | 170-290 | -0.4 to -0.6 |
| 1500°F | 150-230 | -0.6 to -0.8 |
| 2000°F | 150-240 | -0.6 to -0.8 |
| 2400°F | 160-280 | +0.4 to +0.6 |

| <u>CHEMICAL ANALYSIS</u> | | <u>THERMAL CONDUCTIVITY</u> <u>BTU/SQ.FT./HR./IN./°F</u> | |
|--------------------------------|-------|---|------|
| Al ₂ O ₃ | 35.95 | Mean Temp. | "K" |
| SiO ₂ | 40.18 | 400°F | 1.91 |
| Fe ₂ O ₃ | 4.08 | 800°F | 2.10 |
| FeO | 2.10 | 1200°F | 2.46 |
| TiO ₂ | 1.94 | 1600°F | 2.97 |
| CaO | 13.32 | 2000°F` | 3.31 |
| MgO | 0.47 | | |
| Alkalies | 0.55 | | |
| Ign. Loss | 1.10 | | |

Water required for mixing (by weight) 40-50%
 Quarts of water per 35 lb. Bag 7 - 9
 Material required per cubic foot. 70 - 80 Lbs.
 Packaged in 40 lb. bags, 54 bags per pallet - (2160 lbs.)