



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN ASAP CAST 45 LC

CLAYBURN ASAP CAST 45 LC is a low moisture, low cement super duty castable that can be dried out faster than traditional heat-up schedules. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification.

SERVICE TEMPERATURE: 2900°F
MATERIAL REQUIRED FOR ESTIMATING: 150 lbs./cu. ft.
CASTING WATER: 6 – 7%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | CaO | Alkalies | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|----------|-------|
| 43 | 52 | 0.8 | 1.3 | 0.1 | 1.4 | 0.4 | 1 |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|-------------------|----------------------------|--------------------------------|--------------------|
| 250 | 900-1250 | 4000-5700 | Nil |
| 1500 | 700-1200 | 4000-6500 | +0.4 |
| 2500 | 1425-1600 | 8000-11000 | +0.5 |

ABRASION RESISTANCE: <12 cc loss after 1500°F

141020 – 10/10/05

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.