



CLAYBURN INDUSTRIES LTD.

33765 PINE STREET
ABBOTSFORD, BC
CANADA V2S 5C1
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TECHNICAL DATA

CLAYBURN PL 349 CRM

CLAYBURN PL 349 CRM is a high alumina-chromic oxide, phosphate bonded plastic. It has exceptional resistance to metal penetration and the corrosive effect of slags. This good workability plastic, with its high density and low permeability, resists structural spalling.

SERVICE TEMPERATURE: 3400°F

MATERIAL REQUIRED FOR ESTIMATING: 200 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS

(Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | Alk | CaO | P ₂ O ₅ | Cr ₂ O ₃ |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|-----|-------------------------------|--------------------------------|
| 83.6 | 3.7 | 0.2 | Nil | 0.1 | 0.4 | Nil | 3.3 | 8.7 |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change |
|----------------|-------------------------|-----------------------------|---------------|
| 250 | 870 | 1,530 | Nil |
| 1500 | 1570 | 3,180 | -0.1 |
| 2000 | 2260 | 4,930 | Nil |
| 2500 | 2690 | 5,130 | -0.1 |
| 3000 | 3590 | 6,450 | -0.5 |

242420- 10/12/95

**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE
SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**