

19603 Mutema Road

Off Tilcor Road, Chitungwiza Industrial Sites.

Tel: 02421 25803, Cell: +263 772 813 000

www.refractoryanddesign.co.zwinfo@refractoryanddesign.co.zw

Rapid Heat Up 1800 LC

Description

Rapid Heat Up 1800 LC is a premium high quality performance product characterised by a reduced amount of cement and cement hydraulic chemical set.

Rapid Heat Up 1800 LC castable is suitable for general purposes, boiler arches, ladles, lead furnaces, metal containment vessels and burner housing etc.

Rapid Heat Up 1800 LC is composed of High Alumina and Chromium whilst being low in silica content and makes it the most ideal material to use for ramming in furnaces lined with chrome mag and magnesia bricks as it co-exists with basic linings.

Rapid Heat Up 1800 LC castable is produced and tested with respect to quality and purity in a contamination free environment under certified quality management systems.

Chemical Composition

Al ₂ O ₃	87.8
SiO ₂	0.4
Cr ₂ O ₃	9.6
Fe ₂ O ₃	1.37

Workability

Rapid Heat Up 1800 LC is characterized by a maximum particle size of 5mm diameter and a green chrome additive to enhance plasticity. A maximum water addition of 7-10 wt% would ensure plasticity retention, reduced bleeding, and reduced setting times.

Other physical properties

Specifications

Maximum Service Temperature :	1800°C
Bulk Density (g/cm ³):	2.98
Cold Crushing Strength (Mpa):	55
Maximum Particle Size:	5mm
Thermal Expansion (%) 20-1000°C:	0.84
Thermal Conductivity (W/mK) 500°C:	2.7

Shelf Life (months)	12
Application	Cast/Ram
Storage:	Keep dry

NB: Best results are obtained when the product is installed correctly as per product data sheet specifications.