



ALKON® Flow Optimum 303

Product Description

A non-wetting, self flowing ultra low cement refractory castable developed for the Aluminium industry.

Typical Product Data

Service Limit (°C)	1200	Aggregate	Bauxite
Recommended (Min %) Water Addition (Max %)	5.6 6.5	Installation by	Self Flow
Max Grain Size (mm)	5		

Typical Properties After Heating

	110°C	1000°C	1400°C
CCS (Mpa)	55.5	74.0	
BD min (kg/m³)	2825	2775	
max (kg/m³)	2975	2925	
PLC (%)	±0.2	±0.4	
MOR (Mpa)	12		

Typical Chemical Properties

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	Alkali
85.2	7.3	0.6	1.3	2.2	2.5

Thermal Conductivity 2.81 W/mK @ 1000°C
Shelf Life 6 Months
Standard Packaging 25 Kg Paper Bags

Important Product Notes

Water % used for QC Testing **6**

The published statistical data does not constitute a specification. Data is generated from production QC testing and is subject to variation.

Reference Document Number - PD	482	Latest Revision	1-Mar-05
--------------------------------	-----	-----------------	----------

Information of a technical nature is proprietary information and must be regarded as confidential.