



Product Data Sheet

Product	Topkrom MCV
Product Base	Fused magnesia chrome grain
Application	Non ferrous, Tuyeres, Flash Smelter, RH and DH degasser
Chemical Analysis (%)	
SiO ₂	1.1
Fe ₂ O ₃	10.6
Al ₂ O ₃	6.5
Cr ₂ O ₃	22.0
CaO	1.0
MgO	58.3
Physical Properties	
Apparent Porosity (%)	16.0
Bulk Density (g/ml)	3.24
Cold Crushing Strength (MN/m ²)	65
Modulus of Rupture (MN/m²)	
20°C	8.0
1450°C	4.2
Reversible Thermal Expansion (%)	
20 - 300°C	0.28
20 - 1400°C	1.53
20 - 1600°C	1.7
Thermal Conductivity (w/mK)	
Mean Temperature 700°C	2.80
Mean Temperature 1000°C	2.70
Mean Temperature 1200°C	2.70

Date of Issue March 29, 2008

Version 02

The data presented are typical, and not contractual conditions of acceptance. The data presented are average values obtained by laboratory testing of production volumes. The extent and frequency of such testing is defined by the internal procedures of the Quality Management System according to EN ISO 9001:2000 standard.

All rights are reserved to make modifications and updates to the presented data.

40 Allenby Drive Sheffield, S87 7RS

Phone 441142377379 fax 707-255-1129 Email ianwinter43@toucansurf.com