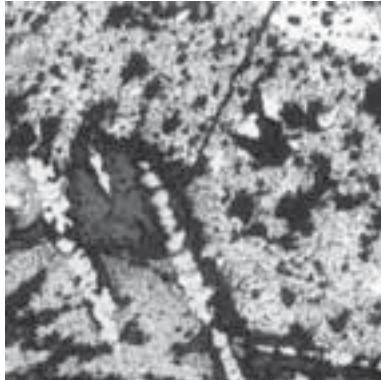
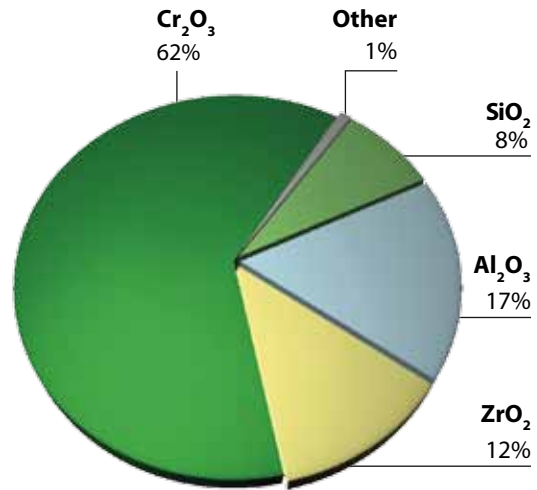


Zirchrom 60 THE MATERIAL

CHEMICAL ANALYSIS



TYPICAL CHEMICAL COMPOSITION



Zirchrom 60 is a specially designed product with a combination of fused cast AZS/Cr grain and chromic oxide materials resulting in outstanding corrosion resistance. Zirchrom 60 also has good thermal shock properties. It is manufactured by dry pressing and vibrocasting. It is a leading edge refractory.

CRYSTALLOGRAPHIC ANALYSIS

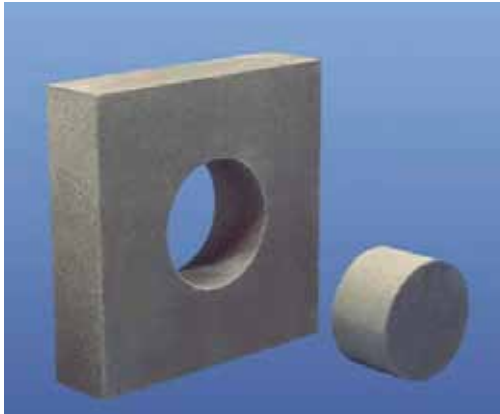
Principal phase Solid Solution Cr₂O₃-Al₂O₃ + Chromic Oxide
 Secondary phase Monoclinic Zirconia

PHYSICAL CHARACTERISTICS

International System	British Standard Units
Bulk density.....3.65 g/cm ³228 pcf
Open porosity.....18%18%
Cold modulus of rupture.....22 MPa3191 psi
Cold crushing strength.....150 MPa21756 psi
Coefficient of thermal expansion.....8 10 ⁻⁶ K ⁻¹4.4 10 ⁻⁶ F ⁻¹
Thermal conductivity at 1000°C.....2.7 W.m ⁻¹ .K ⁻¹	at 1832°F.....18.7 BTU in hr ⁻¹ ft ⁻² F ⁻¹
Thermal shock resistance.....mediummedium

Zirchrom 60

THE MATERIAL

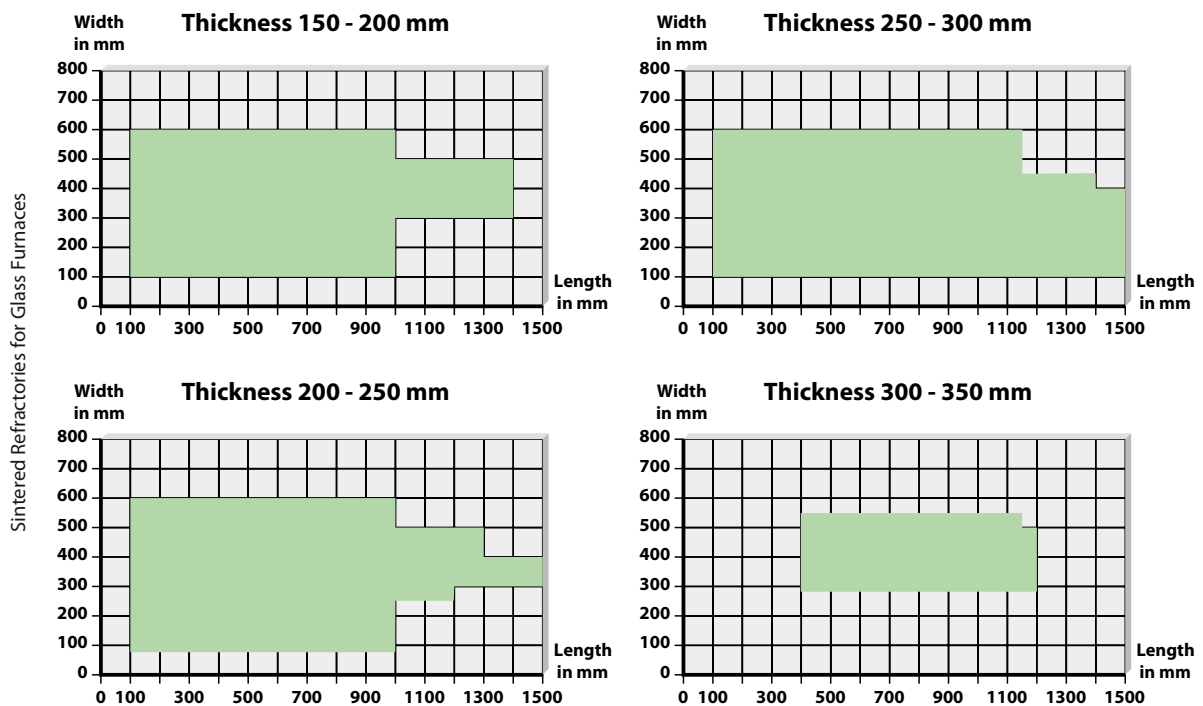


Special shape

TYPICAL APPLICATIONS

Zirchrom 60 is designed for very severe glass contact areas of insulating fiberglass and basalt furnaces including: melter sidewalls, pavers, throats, and doghouse areas. Use in stacks of furnaces melting reinforcement fiberglass is also a good application for zirchrom 60.

SIZE CAPABILITY ESTIMATES



The data quoted above provides average values for current production and is not contractual. If further information is required, please contact the Saint-Gobain SEFPRO Marketing Department.