

AbstractRefractory product having high zirconia content

The present invention relates to a molten, fluid refractory product comprising, in weight percentages on the basis of the oxides and for a total of 100% of the oxides:

$\text{ZrO}_2 + \text{Hf}_2\text{O}_3$: remainder to 100%

$4.5\% < \text{SiO}_2 < 6.0\%$

$\text{Al}_2\text{O}_3 < 0.80\%$

$0.3\% < \text{B}_2\text{O}_3 < 1.0\%$

$\text{Ta}_2\text{O}_5 + \text{Nb}_2\text{O}_5 < 0.15\%$

$\text{Na}_2\text{O} + \text{K}_2\text{O} < 0.1\%$

$\text{K}_2\text{O} < 0.04\%$

$\text{CaO} + \text{SrO} + \text{MgO} + \text{ZnO} + \text{BaO} < 0.4\%$

$\text{P}_2\text{O}_5 < 0.05\%$

$\text{Fe}_2\text{O}_3 + \text{TiO}_2 < 0.55\%$

other oxide species, optionally including Y_2O_3 : $< 1.5\%$, where $\text{Y}_2\text{O}_3 < 0.3\%$,

the "A/B" ratio of $\text{Al}_2\text{O}_3 / \text{B}_2\text{O}_3$ content by weight being 0.5 to 2.0. The invention can be used in glass melting furnaces.