

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%

$4.0\% < \text{SiO}_2 < 6.5\%$

$\text{Al}_2\text{O}_3 \leq 0.75\%$

$0.2\% < \text{B}_2\text{O}_3 < 1.5\%$

$0.3\% < \text{Ta}_2\text{O}_5$

$\text{Nb}_2\text{O}_5 + \text{Ta}_2\text{O}_5 < 1.4\%$

$\text{Na}_2\text{O} + \text{K}_2\text{O} < 0.2\%$

$\text{BaO} < 0.2\%$

$\text{P}_2\text{O}_5 < 0.15\%$

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

other oxide species: $< 1.5\%$

the "A/B" ratio of $\text{Al}_2\text{O}_3 / \text{B}_2\text{O}_3$ content by weight being no higher than 1.50. The invention can be used in glass melting furnaces.