

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Spalling Resistance High-Alumina Brick



1,Product description:

Adding zirconia fine powder to the high alumina brick batching,the solid solution of zirconia and alumina is changed during the high temperature sintering process, and small microcracks are formed, thus changing the internal structure of the product and improving the suddenly-changing temperature resistance of the product. compared with the general high alumina brick, The thermal shock resistance of the product has been improved by about three times. At the same time, the high temperature resistance、 wear resistance and compactness of the product has also been greatly improved. It is widely used in many high temperature industrial furnaces.

2,Index:

Item	JB70	JB75	JB80	JB85
Al ₂ O ₃ ≥ %	70	75	80	85
Fe ₂ O ₃ ≤ %	1.5	1.5	1.5	1.5
ZrO ₂ ≤ %	6.0	7-8	8-10	8-10
Refractoriness °C	1790	1790	1790	1790
Apparent porosity %	22	22	22	22
Bulk density g/cm ³	2.55	2.55	2.7	2.7
Cold crushing strength Mpa	60	60	60	70

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Refractoriness under load T2,℃	1470	1500	1550	1550
Reheating linear change 1500℃×2h,%	-0.1～ -0.3	-0.1～ -0.3	-0.1～ -0.3	-0.1～-0.3
Thermal shock resistance, times	20	30	30	30
Remarks	——	Contain andalusite		

3,Product characteristics:

Adding Zircon Sand to high aluminum bricks, which changes the mineral structure of the original product, and improves the suddenly-changing temperature resistance of the product by more than two times. At the same time, it also improves the working temperature and wear resistance of the product.

4,Application:

As a kiln furniture product, the product is widely used in heating furnace, annealing furnace, cement kiln and lime kiln.

5,Product knowledge:

At high temperature, because of the small difference of expansion coefficient between zirconium oxide and aluminium dioxide, tiny cracks are produced inside the product, which absorbs the fracture energy of the product and enhances the crack resistance of the product. At the same time, the high temperature structure of zirconia enhances the compactness and high temperature resistance of the product.

6,Product shipping knowledge:

Qingdao port of shipment, quotation validity 30 days, delivery time--order quantity≤100 tons, 30 days, payment terms---T/T,T/T+L/C.

7,Our commitment:

to win customers with high quality product quality and service, and to serve users with a rigorous attitude and integrity of work style.

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