

# ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

Address:NO. 3, Yanhe Road, Boshan, Zibo, Shandong, China  
Email:wp@cnjingganrefractory.com/sdwenping@163.com  
Contact:Rose Tel/Wechat:+86-13275332819  
Tel:86-533-4188518 Fax:86-533-4188518

## Fused Quartz Brick For Coke Oven



**1,Profile of Fused Quartz Brick For Coke Oven:**The main raw material of the product is high quality fused quartz sand, with binder, multi-stage proportioning, automatic friction press shaping, natural gas as fuel, shuttle kiln firing.The product is precise in size, beautiful in appearance and compact in internal structure. It is a necessary product for coke oven carbonization chamber.

### 2,Index of Fused Quartz Brick For Coke Oven:

| Property          |                                    | Guarantee value | Typical value |
|-------------------|------------------------------------|-----------------|---------------|
| Chemical property | SiO <sub>2</sub>                   | ≥98.5%          | 98.5%-99.5%   |
|                   | Al <sub>2</sub> O <sub>3</sub>     | ≤0.6%           | 0.2%-0.5%     |
|                   | Fe <sub>2</sub> O <sub>2</sub>     | ≤0.3%           | 0.1%-0.3%     |
|                   | CaO                                | ≤0.1%           | 0.01%-0.1%    |
|                   | Na <sub>2</sub> O+K <sub>2</sub> O | ≤0.2%           | 0.01%-0.2%    |
| Physical property | Bulk density g/cm <sup>3</sup>     | ≥1.8            | 1.8-1.9       |
|                   | Cold crushing strength Mpa         | ≥40             | 40-60         |
|                   | Thermal expansion at 1000℃         | ≤0.3%           | 0-0.3%        |
|                   | Thermal shock resistance times     | ≥30             | 30-50         |
|                   | Apparent porosity                  | ≤18.5%          | 14%-18.5%     |
|                   | Bending coefficient Mpa            | ≤3.5            | 2.5-3.5       |

### 3,Characteristics of Fused Quartz Brick For Coke Oven:

1)The fused quartz bricks we supply are made of high purity fused quartz sand and fired in shuttle kiln at high temperature. The products are compact and of high strength. especially, their suddenly-changing temperature resistance is more than 30

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times. The sulphide resistant acidic slag of the product has very good performance and has been applied in coke oven and glass furnace roof.

2)The product is white and packed with wooden pallets and waterproof film, which is convenient for sea and land transportation.

#### **4,Product knowledge:**

Coke oven cold repair is difficult, time-consuming and high cost. In order to meet the development needs of coke oven hot repair technology, our company has developed ZERO-EXPANSION silicon brick with superior performance, which can meet the requirements of rapid heating, and can be used after completion of masonry without long-time oven drying. The product basically has no size change, no cracking, no deformation, no contamination of impurities, and is safe and reliable for long-term use.

5.Good feedback of product use effect,the products have been exported to Pakistan, Russia, Australia

6.The manufacturer is a professional manufacturer and can provide complete product index test reports or third-party test reports.

**Do you want to find a professional supplier of refractory products?**

**Do you want to find a professional supplier of graphite electrodes?**

**Do you want to find a stable and credible supplier?**

**Then let's contact with jinggan company**

**Contact me:**

**Email:**[wp@cnjingganrefractory.com](mailto:wp@cnjingganrefractory.com)/[sdwenping@163.com](mailto:sdwenping@163.com)

**TEL:** 86-0533-4188518 / **FAX:** 86-0533-4188518

**Rose:**+86-13275332819(wechat/whatsapp number)