

# Sillimanite-Mullite Refractory Products

## Product introduction

Because sillimanite-mullite Refractories have good thermal stability under high temperature, high purity and good anti-erosion to liquid glass, they are optimal materials for glass industry feed channel, feeding machine, drawing machine and other equipment for glass industries with improved production efficiency. Zibo Gotrays sillimanite-mullite products include feeding channel brick, flowing material trough, rotary pipe, material basin, material bowl, stirring paddle, punch, material barrel, fireproof brick, gate brick, front arch brick, rear arch brick, material basin cover, vent brick, burner brick, beam, cover brick and so on.

## Advantages of Zibo Gotrays Sillimanite-Mullite Refractory Products

### Selection of raw materials:

Zibo Gotrays applies artificial high-temperature synthetic mullite, which uses natural high-quality bauxite raw materials, adopts multi-stage homogenization process, and sinters it in ultra-high tunnel kiln above 1750 ° C. It features high density, low porosity, high mullite content, and well-developed crystalline grains. Its advantages make it the perfect material for the production of a variety of advanced refractories such as long columnar network interlaced structure, evenly distributed structure, stable quality, uniform thermal expansion performance, good thermal stability, high refractory under load, small high temperature creep value, high hardness index and good anti-chemical erosion performance.

### Processing of Sillimanite-Mullite Refractory Products

We applied casting method by pouring prepared slurry into the high-performance plaster mould to solidify relying on the high hygroscopicity of plaster mould, afterwards, the green body of the product is formed. Zibo Gotrays' Sillimanite-Mullite kiln furniture are with high density, good wear resistance and low apparent porosity.

With 20 years of technical experience and continuous improvement, we have developed a high-density sillimanite-mullite product production line which can improve its bulk density, bending strength and erosion resistance simultaneously. Zibo Gotrays' sillimanite-mullite kiln furniture are welcomed by customers for applying as refractories wall bricks, feed channel, feeder spare parts and rotary pipes of the glass furnace.

