

Product Model: ZSA 6

ZSA 6 is zirconium silicate with good chemical stability, and which is not affected by the firing atmosphere, and it can significantly improve the green glaze bonding performance and increase the hardness of ceramic glaze;

The whitening effect of zirconium silicate is due to the formation of plagioclase zircon after firing, which scatters the incident light wave to achieve the effect of opacification and whitening. In the whitening effect of zirconium silicate, the range of concentrated particle size is very important, and it is required to achieve the narrowest particle distribution as far as possible in the grinding process of zirconium silicate;

As a kind of high-quality and low-cost opacifier, zirconium silicate is widely used in the production of various building ceramics, sanitary ceramics, daily-use ceramics, first-class ceramics, etc., with a wide range of applications and a large amount of applications. Zirconium silicate has also been further applied in the production of color picture tubes in the television industry and emulsified glass enamel in the glass industry.

Due to the high melting point of zirconium silicate, it is widely used in refractories, glass furnace zirconium ramming materials, castables and spray coatings.

Product properties

Chemical Composition	ZrO ₂ +HfO ₂	≥ 64%
	Fe ₂ O ₃	≤ 0.10%
	TiO ₂	≤ 0.12%
Specific Gravity		~ 4.5
Bulk Density		~ 800 kg/m ³
Average Particle Diameter D50		~ 1.3 μm
Whiteness after 1200°C firing		~ 90%