

ZINC OXIDE

ZnO

Characteristics:

Zinc oxide is used for creating satin to matt glaze surfaces and to add diversity to glossy glazes at cone 9/10. Zinc oxide is the only available source of zinc for glazes, is made from the ore sphalerite (ZnS). Zinc oxide should be used in calcined form. Raw zinc oxide may cause cracking and crawling of the glaze coating. Zinc can be used for both opacification and for fluxing action. Next to magnesia, zinc oxide has the lowest coefficient of expansion and reduces crazing of the high expansion and contraction soda and potash melters. Like calcia, zinc oxide produces a hard, durable glaze surface that will resist the dissolving force of water.



**AT TEMPERATURES
ABOVE 1742°F ZINC
OXIDE BECOMES A
TOXIC GASEOUS
VAPOR. AVOID BOTH
ZINC DUST AND VAPOR.**