



Z-Tech LLC
8 Dow Road
Bow, NH 03304 USA

Tel. No.: 603.228.1305
Fax No.: 603.228.5234

PRODUCT DATA SHEET

CF-Colortone

CF-Colortone is a unique product created by a proprietary process involving the use of plasma reactor technology. In this process, zircon is thermo-chemically transformed from a single crystalline material into its constituents, zirconia (ZrO_2) and amorphous silica (SiO_2). The zirconia, having the higher melting point, crystallizes first, forming a mass of tiny dendrites. The silica then solidifies in an amorphous glassy phase between the zirconia dendrites.

Typical Chemical Analysis

ZrO₂ (+HfO₂)	66.5
SiO₂	31.6
Al₂O₃	0.50
Fe₂O₃	0.05
TiO₂	0.10

Typical Average Particle Size (D₅₀): 140 Microns
(See example attached)

Applications

CF-Colortone is typically used to manufacture:

- Ceramic Pigments & Colors
- Refractories
- Structural Ceramic Components

Packaging

The CF-Colortone is 1 Metric Tonne bulk bags, one bag to a pallet.