



PRODUCT DATA

ZICRON 1400 °C

Water based, inorganic, single component composite adhesive.
Bonding and sealing refractory, ceramic, glass, metal, composites etc.
Eco Friendly. No VOC content. Non toxic.
Stable up to 1400°C in air and inert atmosphere

Properties

Color	Off—White
Consistency	Paste (creamy putty)
Specific Gravity	2.2—2.3 gm/cc
Application	Brush or Putty Knife
Touch Dry	10 - 90 minutes (subject to thickness)
Full Curing	250°C / 2 hours
Temperature Resistance	1400 °C
Compressive Strength	3500 psi
Flexural Strength	1500 psi
Thermal Expansion	$4.5 \times 10^{-6} / C$
Dielectric Strength	150 volts / mil
Finish	Non - Machinable, wear resistant
Toxicity	Non - Toxic, Asbestos Free
Storage	12 months

HIGH TEMPERATURE CERAMIC CARBIDE
ZICRON
1400°C

Water based inorganic single component composite adhesive, bonding and sealing refractory, ceramic, glasses composite.

JP CONSULTANCY & ENGINEERING SDN BHD
www.jpnaratech.com

Application Procedure

- > Follow a standard process to remove oil, grease, rust etc.
- > Sand blast the metal's surface or clean with rough emery.
- > Take required amount of paste and mix thoroughly
- > Apply with brush or roller on the clean substrate, approximately 0.001mm in thickness.
- > Air dry for 24 hours to remove water.
- > Drying can be accelerated by heating gently.
- > Slowly increase the temperature by 2°C per minute to 300°C or above for post curing

Areas of application

High temperature exhausts system, Boiler Chimney, Thermal Power Plants, Heat Exchangers, Boilers, Boiler Furnaces