



TECHNICAL DATA SHEET

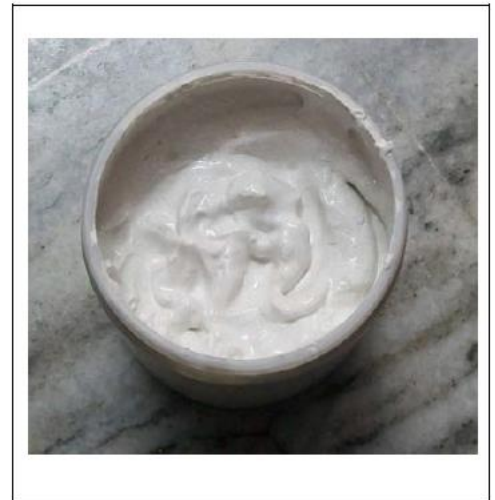
JP™ ZICRON 1400°C

CERTIFICATE NO: JP/1698/16

- Water-based inorganic single component composite adhesive.
- Bonding and sealing refractory, ceramics, glasses, metals, 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 min, depending on thickness
Full curing:	250 °C / 2hrs.
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



Application Procedure

Follow a standard cleaning process to remove oil, grease, rust, etc. Sandblast the metal surface or clean with rough emery. Take required amount of paste, knead with a stick and apply on the cleaned surface. Air dry to remove moisture. This can be accelerated by heating gently. Slowly increase the temperature @ 2°C per minute to 250°C or above for post curing.

Areas of application

High temperature exhausts systems, thermal power plants, petrochemical industries, high temperature reactors, heat exchangers, boilers, heating elements, sensors, etc.

In case of contact with eye, wash with plenty of water

Note: The information's given in this bulletin is believed to be reliable. However, the conditions under which our product may be used are beyond our control. Hence, the products are sold with the understanding that purchaser will make their own tests to determine the suitability of the product for their particular use.