Jyalucem-200 ™

Jyalucem™-200 is a one-part Silicone-Epoxy-resin based cementing compound. It comprises of high-temperature stable micro-fine Ceramic powders. It is a smooth, matte finish cement designed to bond Metals / Ceramics /Glass for high temperature use as well as to protect metallic surfaces against corrosion. The combination of Silicone and Epoxy resins imparts both high temperature resistance and outstanding corrosion resistance respectively.

Suitable Substrates: Ferrous and non-Ferrous Metals

Ceramics and glass

Surface preparation: For optimal performance roughen the surface by means of sand blasting. In case not feasible, roughen with a sand paper (60/80 grit), a wire brush, machine brush or angle grinder.

Clean the surface with a vacuum cleaner or air gun to remove any loose particles.

Remove any grease or oil from the surface to be coated using Trichloroethylene (TCE)

Application: Brush / Spray. For a sprayable coating, mix approx. 20% Xylene into Jyalucem-200.

Compatible spray gun: Pilot gun type P-80. Nozzle aperture: 1.57mm

Curing: 24 hrs air drying at ambient temperature. Heat the cemented components to 150 deg. C for 120 mins or until the cement is hard and dry to touch.

PLOT NO. C-21, N.I.C.E, SATPUR, NASHIK-422007, MAHARASHTRA (INDIA)
Tel : +91(0) 253-2350120 / 338 / 729, 2351251 ● Fax : +91 (0) 253-2350023 ● Email : info@jyoticeramic.com
Website : www.jyoticeramic.com

Technical Properties:

Specific gravity	:	2.95
Color	:	Grey
Coverage	:	1.1 kg / m^2
Max. Temperature use	:	500˚C
Shelf life	:	6 months.
Corrosion resistance (Room temp. ; Splash & Spill)	:	Resistant to 4M HCL acid, Resistant to 5M NaOH Solution

Suitable Applications:

- Bonding of Metals to ceramic for high temperature use
- Coating to prevent Flue gas corrosion on Metallic substrates
- Corrosion protection for mild steel in aqueous environments
- High temperature wear protection

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