

DESCRIPTION

CV-1108 is a two-part epoxy compound with a smooth, fibrous, putty like consistency which prevents the compound from migrating during application.
Once mixed, CV-1108 cures to a solid mass at room temperature and is resistant to moisture, solvents and chemicals.
CV-1108 has excellent adhesion to metal surfaces and will withstand severe mechanical conditions. Once cured, the putty can be machined if required.
CV-1108 does not contain any lead.

USES

CV-1108 is specifically used for weight addition balancing of electric motor armatures, rotors and fans and for sealing in general engineering/electronic applications.

ADVANTAGES

- Excellent adhesion to metal surfaces
- Withstands severe mechanical conditions
- Can be machined
- Quick curing

PHYSICAL PROPERTIES

	Part A	Part B	Mixed
Specific gravity	2350g/L	2300g/L	2325g/L
Colour	Yellow	Blue	Green
Working life	/	/	4 hours
Cone penetration, ASTM D-217	80 - 90	110 - 120	95 - 105
Mix ratio by weight or volume	100 ± 10%	100 ± 10%	/
Temperature rating			155°C
RoHS compliant	Yes	Yes	Yes
Shelf life @ 25°C in unopened containers	36 months	36 months	/
Pack sizes	1Kg	1Kg	/

CURED PROPERTIES

Hardness Shore 'D', ASTM D-676	75 - 85
Volume resistivity, ASTM D-257	4.5 - 6.5 x 10 ¹⁴ ohms/cm
Surface resistivity, ASTM D-257	8 x 10 ¹⁴ ohms/cm
Dielectric strength, IEC 243	180 - 200kV/cm

Cured 12 hours @ 25°C + 2 hours @ 80°C

APPLICATION

1. Mix CV-1108 Part A Yellow, with CV-1108 Part B Blue in the ratio of 1 : 1 by either weight or volume. (± 10%).
2. Once mixed, the putty will form a consistent green colour.
3. Press the mixed putty onto the component to be balanced or sealed, either by hand or with a spatula.
4. Cure as recommended.

The unit can be immediately rotated to verify balancing even before the putty is fully cured.

CV-1108 must be used at temperatures over 10°C. Lower temperatures will considerably lengthen the cure time.

CURE SCHEDULE

CV-1108 can be cured at room temperature (25°C) as indicated below. To increase throughput and for ultimate properties, after the initial gel time, CV-1108 may be oven cured.

Gel time	4 hours @ 25°C
Full properties	18 hours @ 25°C
Oven curing	4 hours @ 25°C + 2 hours @ 70 - 80°C

HEALTH & SAFETY

Before use, please refer to Material Safety Data Sheets (MSDS).