

HIGH PERFORMANCE EPOXY STRUCTURAL ADHESIVE: PRODUCT INTRODUCTION

- Made from high-performance epoxy resin with excellent bonding strength.
- Suitable for bonding metals (e.g., steel, aluminum) and non-metals (e.g., epoxy boards/fiberglass).
- High shear strength and toughness, with a 60-minute working time.
- Easy to mix and apply.

APPLICATION AREAS

LED lighting, consumer electronics, automotive electronics, medical electronics, etc.

USAGE INSTRUCTIONS

Recommended Curing: Apply at room temperature (18–30°C). Clean and treat the bonding surfaces beforehand. Remove excess adhesive before curing.

STORAGE CONDITIONS

Store in a cool, dry place (5–30°C). Shelf life: 12 months.

PRECAUTIONS

Refer to the Material Safety Data Sheet (MSDS) for safety information.

TECHNICAL PARAMETERS BEFORE CURING

Property	Component	Value
Viscosity @ 23°C	Component A (Main Agent) Component B (Curing Agent)	20,000–40,000 cps 6,000–14,000 cps
Main Component	Component A (Main Agent) Component B (Curing Agent)	Epoxy Amine
Color	Component A (Main Agent) Component B (Curing Agent)	Milky white Milky white or amber
Density (g/cm ³)	Component A (Main Agent) Component B (Curing Agent)	1.11–1.16 1.05–1.10
Mixing Ratio (A:B)	Volume Ratio Weight Ratio	2:1 2:0.96
Working Time @ 23°C	10 g Mixed	Approx. 60 minutes

AFTER CURING

Property	Value
Color	Off-white
Shore D Hardness	75–80
Coefficient of Thermal Expansion (in./in./°C)	Below Tg: 53×10^{-6} Above Tg: 206×10^{-6}
Dielectric Strength (ASTM D 149)	37.06 kV/mm
Volume Resistivity (ASTM D 257)	$2.5 \times 10^{15} \Omega \text{ cm}$
Shear Strength (23°C × 7d)	27 MPa

PACKAGING SPECIFICATIONS

- 50 ml/tube
- 400 ml/tube

SPECIAL NOTES

- Data is based on laboratory conditions. Users should test and analyze based on their specific environments.
- APP International is not liable for issues arising from product use or any direct/indirect losses.
- For assistance, contact APP International technical service department.

COMPANY INFORMATION

- Address: 3 Wulbanga Street, Prestons NSW, 2170 Australia
- Website: www.appinternational.com.au