

High Strength Compound Epoxy Adhesive

Technical Product Bulletin

PRODUCT DESCRIPTION:

STONE-BOND 24 is a two parts, heat-resistant and low exotherm, epoxy adhesive formulation. It is a 100% solid epoxy adhesive, with superior chemical resistance and shear strength. Used across all industries due to its resilience and odorless properties

STONE-BOND 24 contains a thixotropic agent which impedes thinning out of the material during heat cure when properly mixed and cured

PRODUCT DESCRIPTION:

Appearance	Amber
Cure Type	Room temperature or Heat cure
Benefits	<ul style="list-style-type: none"> Room temperature or heat cure Tough enamel like cure Bonds variety of substrates Weather resistant
Mix Ratio by weight	100:100 / Resin:Hardener
Substrates	Metals, glass, ceramics, wood and many plastics
Operating Temperature	-40 to 163 °C
Typical Application	Staking components, bonding, laminating and repair applications

CURE SCHEDULE:

20 min`	@ 177°C
30 min	@ 121°C
80 min	@ 93°C
4 to 6 Hours	@ 65°C
24 Hours	@ 25°C

UNCURED PROPERTIES:

Specific Gravity, mixed	1.07
Reactive solids contents, %	100
Pot Life	60 minutes

MISC PROPERTIES:

Shelf life	1 year
Glass Transition Temp, Tg	93°C
Hardness, Shore D	78
Tensile Shear Strength	2700 psi (Alum to Alum)

GENERAL INFORMATION:

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

HOW TO USE:

- Carefully clean and dry all surfaces to be bonded.
- Apply Stone-Bond 24 completely mixed adhesive to the prepared surfaces, and gently press these surfaces together. Contact pressure is adequate for strong, reliable bonds; however, maintain contact until adhesive is completely cured.
- Some separation of components is common during shipping and storage. For this reason, it is recommended that the contents of the shipping container be thoroughly mixed prior to use.
- Some ingredients in this formulation provided may crystallize when subjected to low temperature storage. A gentle warming cycle of 52°C for 30 minutes prior to mixing components may be necessary. Crystallized epoxy components do not react as well as liquid components and should be re-dissolved prior to use for best results.

AVAILABILITY:

This epoxy can be supplied in many different packages.

Atom Adhesives

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