



TECHNICAL DATA

NP2001

Rapid Curing Clear Epoxy Adhesive

Product Description

NP2001 epoxy adhesive is a 2-component multi-purpose product that is ideal for bonding various substrates including wood, ceramics and metals. NP2001 cures to a clear product.

The LED Range of Resins

The NP2001 clear rapid adhesive has been developed specifically for our LED range. It offers performance characteristic comparable to most '5-minute epoxies' with an unusually clear finish. This cartridge dispensed 1:1 resin is easily applied.

Features

- * Rapid Curing
- * Easy Application
- * Crystal Clear
- * Cartridge Dispensing

Applications

- * Assemblies
- * Cable Sealing
- * Rapid Potting
- * Rapid Adhesive

Typical Uncured Physical Properties

Property	Base	Hardener
Viscosity (mPas)	10,000	1,200
Colour	Clear	Clear
Specific Gravity	1.16	1.16
Mix Ratio	1	1



Gel Time	4 Minutes	15 g @ 23°C
Gel Time	4.5 Minutes	15 g @ 15°C
Full Cure	24 Hours	100 g @ 23°C
Application Temperature	5-30	°C

Typical Cured Properties

Property	Result	Units
Shore D Hardness	80	After 48 hours
Elongation at Break	15	%
Tensile Adhesion (mild steel)	13	MPa (30 minutes)
	18	MPa (24 hours)
T _g	64	°C (Approx)
Thermal Conductivity	0.2	W/mK

Solvent Resistance	Rating
Ketones	Medium
Petrol	Excellent
Lubricating Oil	Excellent
Kerosene	Poor
Water	Good



Directions for use

For high strength structural bonds, paint, oxide films, oils dust and all other contaminants must be completely removed. The degree of surface preparation will ultimately determine the strength of the bond.

Surface Preparation

STEEL:

1. Wipe with solvent such as acetone, isopropanol or ALH Systems WET/DRY Wipes.
2. Shot blast with fine grit abrasive.
3. Wipe again with solvent to remove loose particles.

WOOD:

1. Ensure surface is clean and dry and free of loose particles.

PLASTICS/RUBBER:

1. Wipe with solvent such as isopropanol or ALH systems WET/DRY Wipes.
2. Abrade with fine grit abrasive paper.
3. Wipe again with solvent.

Storage and Shelf Life

Store between 5-30°C for up to 2 years.



Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. All Products should be used in accordance with your own COSHH Assessments. For additional health and safety information, call 01373 858234.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that ALH believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond ALH's control and uniquely within user's knowledge and control can affect the use and performance of an ALH product in a particular application. Given the variety of factors that can affect the use and performance of an ALH product, the user is solely responsible for evaluating the ALH product and determining whether it is fit for a particular purpose and suitable for the user's methods of application.

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