



TECHNICAL DATA

NP2020

Standard Cure Epoxy Resin

Product Description

NP2020 epoxy resin is a 2-component epoxy based compound which reacts at room temperature to produce a very hard, durable, clear epoxy resin.

The LED Range of Resins

The NP2020 water clear rapid adhesive has been developed specifically for our LED range. It offers performance characteristic comparable to most '5-minute epoxies' but, unusually, it is very clear! 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)	8,000	5,000
Colour	Clear	Clear
Specific Gravity	1.17	0.97
Mix Ratio	1	1
Working Life	12 Minutes	1 litre @ 23°C
Working Life	7 Minutes	5 litre @ 15°C



Typical Cured Properties

Property	Result	Units
Elongation at Break	2	%
Tensile Strength	56	MPa
Compressive Strength	100	MPa
Flexural Strength	100	MPa

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.



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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.

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