



TECHNICAL DATA

NP2022

RAPID CURING CLEAR EPOXY ADHESIVE

Product Description

NP2022 is a two-component free flowing epoxy adhesive. NP2022 is modified to wet substrate surfaces and bonds metals, glass, rubbers and many plastics in minutes.

Features

- * Rapid Curing in Minutes at Room Temperature
- * Modified to Wet Substrates Well
- * Clear
- * Cartridge Dispensing
- * Excellent Chemical and Environmental Resistance

Typical Uncured Physical Properties

Property	Base	Hardener	Mixed System
Viscosity (mPas)	10,000	30,000	20,000
Colour	Clear	Amber	Clear
Specific Gravity	1.16	0.98	
Mix Ratio	1 1	1 1	By Weight By Volume

Pot Life	5-10 Minutes	10 g @ 23°C
Gel Time	30 Minutes	10 g @ 23°C
Complete Cure	2 Hours	10 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	%
Shear Strength Steel	20	MPa
Tensile Strength Steel	47	MPa
T _g	64	°C (Approx)
Thermal Conductivity	0.2	W/mK

Solvent Resistance

Rating

Ketones	Medium
Petrol	Excellent
Lubricating Oil	Excellent
Kerosene	Poor
Water	Excellent

Cure Schedule

Temperature (°C)	Time	Units
20	15	Hours
30	10	Hours
40	3	Hours
70	50	Mins
100	10	Mins
120	8	Mins
150	5	Mins

Note: The above technical information and data should be considered representative or typical only and should not be used for specification purposes.



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.

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