



TECHNICAL DATA SHEET

Noelle Industries, Inc.

Adhesives • Coatings • Conductives • Encapsulants

NOELLE 805-70 System

A Two-Component Quickset Epoxy

Description:

Noelle 805-70 System is a clear two component (A + B) high performance, room temperature curing, quickset epoxy.

Advantages:

Noelle 805-70 will cure at temperatures above 15°C (60°F) in a short period of time.

Physical Properties:

	<u>Resin</u>	<u>Hardener</u>
	805-70A	805-70B
Color:	Clear	Clear
Specific Gravity:	1.16	0.98
	combined	1.07
Mix Ratio:		
(By Volume):	1.0	1.0
(By Weight):	100	100
Viscosity, combined after mixing @ 20°C (cP)	(12,000)	

Shelf Life: (Sealed containers)

One Year @ 25°C (both A+B). Hand agitation of the Resin component is recommended after long standing to insure best results.

Instructions:

Combine the Resin and the Hardener in the ratio listed above. Mix by hand or mechanical mixer until material is uniform in appearance.

Cure Schedules:

2 hours @ 25°C (77°F) will yield 80% of the systems full potential. An additional 22 hours @ 25°C (77°F) will yield the systems full potential.

% Full Cure:	80%	100%
Cure Temperature:	25°C	25°C
Cure Time (hours):	2	24

Pot Life (6 grams) @ 25°C = 6 to 8 minutes

Cured Properties:

Shore Hardness, measured @ 25°C	80D
Lap Shear, Aluminum to Aluminum, psi	
After 30 minutes @ 20°C (psi)	1,000
After 24 hours @ 20°C (psi)	2,800
Operating Temperature Range: -55°C to +130°C	
Should meet or exceed the requirements of UL 94 HB	

Storage and Handling:

Normal storage and handling is at room temperature. Use standard mixing and housekeeping procedures to minimize the risk of spills and contact with the surrounding materials.

All values reported above are typical values, and are reported as a means of reference. Individual testing should be done to determine actual results, tested at specific conditions.

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