



**Noelle Industries, Inc.**  
*Adhesives • Coatings • Conductives • Encapsulants*

## NOELLE E903-44-2 System

### A Two Component Adhesive

#### **Description:**

Noelle E903-44-2 System is a two component (A + B) high performance, silver filled, room temperature curing adhesive.

#### **Advantages:**

Noelle E903-44-2 is filled with conductive metals for both electrical and thermal conductivity.

#### **Physical Properties:**

	<b><u>Resin</u></b>	<b><u>Hardener</u></b>
	E903-44-2	E903-44-2B
Color:	Silver	Silver
Specific Gravity	3.33	3.99
Mix Ratio		
(By Weight)	100.0	75.0

#### **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 6 hours @ 25°C (77°F) will yield the systems full potential.

	80%	100%
Cure Temp:	25°C	25°C
Cure Time:	2 hrs	8 hrs
<b>Pot Life</b> (20 grams) @ 25°C = 17 Min		

#### **Cured Properties:**

Shore Hardness, measured @ 25°C	84D
Electrical: Volume Resistivity	
@ 24 hours @ 25°C (room temp)	$1 \times 10^{-3}$ Ohms-cm
@ 2 hours @ 65°C	$1 \times 10^{-3}$ Ohms-cm
Operating Temperature Range:	-20°C to +100°C

#### **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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