



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



76 Treble Cove Road, Unit C - N. Billerica, MA 01862  
 United States of America  
 Phone: (978) 439-9841 - Fax: (978) 439-9842  
**Website:** [www.noelleindustries.com](http://www.noelleindustries.com)  
 Email: [info@noelleindustries.com](mailto:info@noelleindustries.com)

## TECHNICAL DATA SHEET

### NOELLE 807-30 System

#### A Two Component Epoxy Insulating Coating Compound

#### **Description:**

Noelle 807-30 System is a Beige two component (A + B) high performance, room temperature curing, epoxy insulating coating compound.

#### **Advantages:**

Noelle 807-30 is designed to yield moderate set up times along with a putty like consistency for ease of application. Noelle 807-30 is a thickened material to assist in non-sag properties and is capable of curing in the vertical position. Noelle 807-30 is machineable with standard metal working tools. Noelle 807-30 has good chemical resistance.

#### **Physical Properties:**

	<b><u>Resin</u></b>	<b><u>Hardener</u></b>
	807-30A	807-30B
Color	Clear	Beige
Specific Gravity	1.22	1.50
Mix Ratio		
(By Volume)	5.0	4.0
(By Weight)	100.0	100.0

#### **Shelf Life:** (Sealed containers)

One Year @ 25°C (both A+B). Hand agitation of both (A + B) components 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:**

16 hours @ 25°C (77°F) will yield 80% of the systems full potential. An additional 96 hours @ 25°C (77°F) will yield the systems full potential).

	80%	100%
Cure Temp:	25°C	25°C
Cure Time:	16 hrs	112 hrs

**Pot Life** (40 grams) @ 25°C 30 min

#### **Storage and Handling:**

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

#### **Cured Properties: (Physicals)**

(All Values measured @ 25°C)

Shore Hardness, measured @ 25°C	>84D
Operating Temperature Range:	-20°C to +100°C
Color:	Beige
Specific Gravity of System:	1.35
Shrinkage: In/In	<0.012
Moisture pickup:	<0.30%
Compressive Strength:	>10,000 Psi
Tensile Strength:	>8,000 Psi

### **Thermal Properties:**

Thermal Conductivity @121°C	0.30 BTUft/ft <sup>2</sup> -Hr-°F
	0.51 Watt/meter°K
CTE: in/in°C X10-5	4.1
HDT °C	72
Operating Temperature Range°C:	-20 to +100

### **Electrical Properties:**

Volume Resistivity @ 25°C Ohm-cm	2.00 x 10 <sup>15</sup>
Dielectric Strength Volts/mil	435
Dielectric Constant @ 25°C 60 Hz	3.45
Dissipation Factor @ 25°C 60 Hz	0.02

**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.**