



# TECHNICAL DATA SHEET

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

## NOELLE 807-70

### A Self Contained Two Component Aluminum Epoxy Putty Stick

#### Description:

Noelle 807-70 is a self contained two component, gray, hand kneadable, non-rusting, aluminum reinforced epoxy putty that mixes in <one minute to provide fast, permanent repairs to aluminum parts. The curing agent is encapsulated in the epoxy stick and becomes activated when hand kneaded and will set up in ~ five minute. After one hour Noelle 807-70 epoxy stick can be drilled, sawed, filed, carved, sanded, stained or painted. It is recommended where a non-rusting, metallic finish is required.

#### Advantages:

Noelle 807-70 will cure at room temperature and features excellent chemical, heat and moisture resistance. The putty like consistency eliminates drips and runs providing a no mess application and handling, with no tools required for use. Noelle 807-70 can be used to repair of aluminum gutters, storm doors, windows, pipes, tanks, tools, and other equipment; repair of stripped threads or to hold nuts and bolts in place, repair of blowholes or punctures in metal, holding and placement of fixtures and signs; repairs to molds, patterns and castings, repairs to ductwork aluminum siding, boats, RVs and countless other uses.

#### Physical Properties:

Color: Gray

#### Shelf Life: (Sealed container)

Two Years @ 25°C

#### 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

#### Cured Properties:

Shore Hardness, measured @ 25°C:	85D
Volume Resistivity, @ 25°C (Ohm/cm):	1.0 x 10 <sup>14</sup>
@ 130°C (Ohm/cm):	4.0 x 10 <sup>10</sup>
Lap Shear, Tensile Strength	
Al/Al ASTM D-1002(psi):	>600
304SS/304SS ASTM D-1002(psi):	>500
Coefficient of Linear Thermal Expansion,	
(inch/inch°C):	60 x 10 <sup>-6</sup>
Dielectric Strength, @ 25°C (VPM):	300
Compressive Strength, (psi):	>12,000
Flexural Strength, (psi):	>6,200
Cured Shrinkage, (inch/inch):	0.5
Operating Temperature Range:	0°C to +100°C

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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