



TECHNICAL DATA SHEET

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

NOELLE 807-68

A Self Contained Two Component Steel Epoxy Putty Stick

Description:

Noelle 807-68 is a self contained two component, gray, hand kneadable, non-rusting, steel reinforced epoxy putty that mixes in <one minute to provide fast, permanent repairs to iron and 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 807-68 epoxy can be drilled, sawed, filed, carved, sanded, stained or painted.

Advantages:

Noelle 807-68 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 807-68 can be used to repair of iron 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 and countless other uses.

Physical Properties:

Color: Gray

Shelf Life: (Sealed container)

One Year @ 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 x 10 ¹⁴
@ 130°C (Ohm/cm):	4.0 x 10 ¹⁰
Coefficient of Linear Thermal Expansion, (in/in°C):	60 x 10 ⁻⁶
Lap Shear, Tensile Strength	
Al/Al ASTM D-1002 (psi):	>700
304SS/304SS ASTM D-1002 (psi):	>800
Compressive Strength, (psi):	>10,000
Flexural Strength, (psi):	>5,500
Dielectric Strength, @ 25°C (VPM):	300
Cured Shrinkage:	0.5 in/in
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.

• 76 Treble Cove Road, Building # 3, Unit C, North Billerica, MA 01862

• Phone: (978) 439-9841 • Fax: (978) 439-9842 • Website: www.noelleindustries.com • email: info@noelleindustries.com