



TECHNICAL DATA SHEET

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

NOELLE 805-69

A Two Component Epoxy Putty

Description:

Noelle 805-69 System is a two component (A + B) steel filled, room temperature fast curing, thixotropic Epoxy and putty.

Advantages and Applications:

Noelle 805-69 features exceptional adhesion, strength and durability, along with ease of application. Noelle 805-69 is formulated for fast or emergency repairs and is capable of curing in the vertical position and is also machine able with standard metal working tools. Noelle 805-69 has fair chemical resistance. Noelle 805-69 can be used to repair metal pipes, tanks, metal castings, valves, pumps, engine repairs, water jackets and radiators.

Noelle 805-69 is **not** to be used in direct presence of water.

Physical Properties:

	<u>Resin</u>	<u>Hardener</u>
	805-69A	805-69B
Color:	Black	Off White
Specific Gravity:	2.56	1.18
Combined:	2.08	
Mix Ratio		
(By Volume):	3.0	2.0
(By Weight):	4.0	1.0

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 and Surface Preparation:

Combine the Resin and the Hardener in the ratio listed above. Mix by hand or mechanical mixer until material is uniform in appearance and color (Gray). To insure best results the surface of the material should be sand or grit blasted. A grinding wheel or stiff wire brush can be used on the surface and followed with a solvent wipe.

Cure Schedules:

Within 60 minute period after application @ 25°C will yield 80% of the systems full potential. An additional 2 hours @ 25°C will yield the systems full potential.

% Full Cure:	80%	100%
Cure Temperature:	25°C	25°C
Cure Time (hours):	1	3

Pot Life (50 grams) @ 25°C = 5 min

Cured Properties:

Shore Hardness, measured @ 25°C:	>80D
Lap Shear, Tensile Strength	
Al/Al ASTM D-1002 (psi):	>1000
Compressive Strength (psi):	>6500
Flexural Strength (psi):	>5500
Coefficient of Linear Thermal Expansion	
(in/in°C):	65 x 10 ⁻⁶
Cured Shrinkage:	0.05 in/in
Operating Temperature Range:	0°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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