



TECHNICAL DATA SHEET

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

NOELLE 807-87 System

A Two Component Liquid Wear Resistant Coating

Description:

Noelle 807-87 System is a two component (A + B) room temperature curing, ceramic carbide adhesive coating.

Advantages:

Noelle 807-87 consists of ceramic and silicon carbide for high abrasion resistance. Noelle 807-87 may be applied with a roller, squeegee or trowel.

Physical Properties:

	<u>Resin</u>	<u>Hardener</u>
	807-87A	807-87B
Color:	Black	Amber
Specific Gravity:	1.97	1.00
Combined:	1.67	
Mix Ratio		
(By Weight):	5.00	1.00

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 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 an 8 hour period after application @ 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. Post curing or forced air curing for 4 hours at 82°C will yield a full cure and eliminate the additional waiting time at ambient temperature.

% Full Cure:	80%	100% or	100%
Cure Temperature:	25°C	25°C	82°C
Cure Time (hours):	8	104	4

Pot Life (1 pound mass) @ 25°C = 30 minutes

Cured Properties:

Shore Hardness, measured @ 25°C: 88D
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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