

ND Expandables

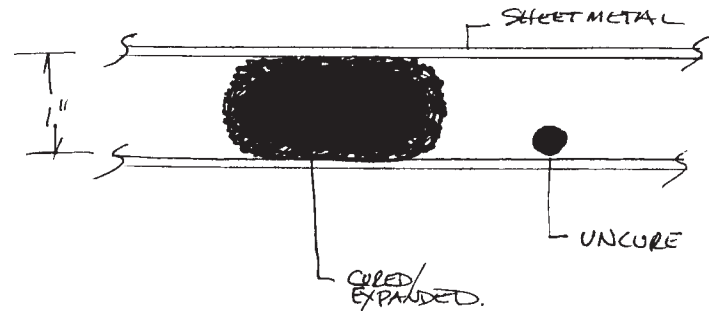
Expandable Rubber Sealer

PreApplied
UserApplied

ND
INDUSTRIES

DESCRIPTION:

- ❑ ND Industries' heat expandable rubber products are used in a wide variety of applications providing economical solutions for the prevention of metal-to-metal contact, vibration, and noise-related problems (sometimes referred to as flutter). An excellent anti-flutter compound, Expandable Rubber Sealer is an extruded product made in standard, custom, or complex die cut shapes and thicknesses to meet customer requirements for sealing, noise dampening, and vibration reduction.
- ❑ ND Expandable Rubber Sealer extrusions are ready-to-use in an uncured form and can be applied or bonded to any metal surface prior to the application of heat. When heat is applied, generally in a primer oven, a reaction takes place that causes the material to expand and adhere to the metal surfaces and create a seal while filling all space between the metals.
- ❑ Our product offers expansion rates ranging from 100% to 400%. The material is stable, non-volatile, resistant to most chemicals, has a long shelf-life, and is compatible with production phosphatizing and paint systems.



APPLICATIONS:

- ❑ **Volume filler** - ND Expandable Rubber Sealer swells to fill the cavity it is placed in. When used between two layers of sheet metal, the material acts as an insulator from moisture, air, dust, and noise.
- ❑ **Suppresses flutter & vibration** - When used as backing for sheet metal panels, it prevents flutter, seals, reduces vibration, and deadens sound.
- ❑ **Bonding** - ND Expandable Rubber Sealer will provide some metal-to-metal bonding once it is fully cured.
- ❑ **Sealing** - In a cured or uncured state, ND Expandable Rubber Sealer secures the intended area from penetration by moisture, gases, dust, sound, and vibration.
- ❑ **Adhesion** - ND Expandable Rubber Sealer offers excellent adhesion to metal substrates - without additional adhesives or tape.

Particular formulations of the Expandable Rubber meet or exceed the performance requirements of the following specifications:

AUTOMOTIVE

- ❑ General Motors - GM3640M
- ❑ Ford Motor Co. - ESB-M4G223-A
- ❑ Chrysler Corp. - MSCD-616, MSCD-64

For a complete list, contact ND INDUSTRIES

FEATURES:

- ❑ **Standard Profiles** - ND Expandable Rubber Sealer is available in a variety of lengths and diameters to provide a quick and flexible response to a customer's need.
- ❑ **Customer Die Cut Shapes** - For unique applications, ND Industries can provide the material in custom die cut shapes.
- ❑ **Process-Friendly Timesaver** - ND Expandable Rubber Sealer is easy to incorporate into high-volume production functions and can be applied with minimal time, effort, or training, or can be assembled for you by ND.
- ❑ **Economical** - ND Expandable Rubber Sealer is inexpensive and yet provides excellent high-quality expansion and sealing.
- ❑ **Environment and Production Friendly** - ND Expandable Rubber Sealer is non-staining, non-volatile, and requires little cleanup in production operations.
- ❑ **Competitively priced** - ND Expandable Rubber Sealer is a cost effective filler and sealer.

ND Formulation	Color	Expansion Rate
NDM300B	Black	up to 400%
NDEM223	White	100% to 200%

For more information on Expandable Rubber Sealer or any of ND Industries' other quality fastening products, contact your nearest ND Service Center:

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Solutions For Fastening Technology

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Expandables

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