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3M B007Y7CYVU

3M 4508 Vinyl Foam Tape User Manual

Model: B007Y7CYVU

1. PRODUCT OVERVIEW

The 3M 4508 Vinyl Foam Tape is a versatile, single-coated, closed-cell foam tape designed for various applications. Its unique construction provides conformability and cushioning properties, making it suitable for sealing, gasketing, and general mounting tasks.



Figure 1.1: A roll of 3M 4508 Vinyl Foam Tape, black in color, with a white backing liner.

2. FEATURES

- **Vinyl Foam Construction:** Made from durable vinyl foam, offering flexibility and resilience.
- **Single-Coated:** Features adhesive on one side for easy application.
- **Closed-Cell Foam:** Provides excellent sealing properties against dust, moisture, and air.
- **Conformable:** Adapts well to irregular surfaces, ensuring a secure fit.
- **Cushioning:** Offers shock absorption and vibration dampening.



Figure 2.1: Visual representation highlighting the strong holding power and cushioned, conformable nature of the tape.

3. SPECIFICATIONS

Attribute	Value
Brand	3M
Model Number	4508 (B007Y7CYVU)
Color	Black
Material	Vinyl, Foam
Item Length (Current Variant)	5 Yards
Item Width (Current Variant)	0.75 inches
Number of Items (Current Variant)	1 Roll

4. SETUP AND APPLICATION

4.1 Surface Preparation

For optimal adhesion, ensure the application surface is clean, dry, and free of dust, oil, grease, and other contaminants. Use an appropriate cleaner if necessary and allow the surface to dry completely before applying the tape.

4.2 Application Steps

- Measure and Cut:** Measure the desired length of tape required for your application. Cut the tape cleanly using scissors or a utility knife.
- Peel Liner:** Carefully peel back a small section of the white release liner from one end of the tape to expose the adhesive.
- Position and Apply:** Align the exposed adhesive portion of the tape with the starting point on your prepared surface. Press down firmly to ensure initial contact.
- Smooth and Press:** Slowly continue to peel the liner while simultaneously pressing the tape firmly onto the surface. Use a roller or your hand to smooth out any air bubbles and ensure full contact across the entire length of the tape. Apply even pressure.
- Trim Excess:** Once the tape is fully applied, trim any excess tape if necessary.



Figure 4.1: A person's hands demonstrating the application of the foam tape by peeling the liner and pressing it onto a surface.

5. OPERATING CONSIDERATIONS

While tape does not have "operation" in the traditional sense, consider the following for optimal performance:

- **Temperature Range:** Ensure application and service temperatures are within the recommended range for adhesive performance. Consult 3M technical data sheets for specific temperature guidelines if critical.
- **Environmental Conditions:** For outdoor or high-moisture applications, ensure the tape's properties are suitable for the intended environment.
- **Load Bearing:** While the tape offers strong holding power, understand its limitations for heavy load-bearing applications.

6. MAINTENANCE AND STORAGE

6.1 Storage

Store 3M 4508 Vinyl Foam Tape in its original packaging in a cool, dry place, away from direct sunlight and extreme

temperatures. High humidity or heat can affect adhesive performance over time. Keep away from solvents and chemicals.

6.2 Cleaning

Once applied, the tape generally requires no maintenance. If the exposed foam surface becomes dirty, gently wipe with a damp cloth. Avoid harsh chemicals that may degrade the foam or adhesive.

7. TROUBLESHOOTING

- **Tape Not Sticking:**

- Ensure surface is clean and dry.
- Verify application temperature is appropriate.
- Apply sufficient pressure during application.

- **Bubbles or Wrinkles:**

- Apply tape slowly and evenly, smoothing as you go.
- Use a roller or squeegee to press out air.

- **Tape Degradation:**

- Ensure proper storage conditions (cool, dry, out of direct sunlight).
- Verify tape is suitable for the environmental conditions (e.g., UV exposure, chemical contact).

8. WARRANTY AND SUPPORT

3M products are manufactured to high standards. For specific warranty information or technical support regarding the 3M 4508 Vinyl Foam Tape, please contact 3M customer service directly or visit the official 3M website. Keep your purchase receipt for any warranty claims.

3M Customer Service: Refer to 3M's official website for contact details.

Online Resources: www.3m.com