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Vibra-Tite VC-3 Threadmate 21330 Instruction Manual

Brand: instrainclug | Model: 21330

Introduction	Safety Information	Setup	Operating Instructions	Maintenance
	Troubleshooting	Specifications	Warranty & Support	

1. INTRODUCTION

The Vibra-Tite VC-3 Threadmate 21330 is a unique, removable thread locking and sealing compound designed to prevent fasteners from loosening due to vibration and shock. Unlike traditional liquid threadlockers, VC-3 is a thermoplastic elastomer resin that remains flexible and allows for easy adjustment, removal, and reuse of fasteners. It is suitable for a wide range of applications where maintaining clamp load and preventing fastener back-out is critical.



Image 1.1: Vibra-Tite VC-3 Threadmate 30cc Bottle. This image displays the product bottle, typically red in color, containing the thread locking compound.

2. SAFETY INFORMATION

WARNING:

- Choking hazard - contains small parts.
- Not suitable for children.
- Keep out of reach of pets.
- Use in a well-ventilated area.
- Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water.
- Refer to the Safety Data Sheet (SDS) for complete safety information.

3. SETUP AND PREPARATION

Proper surface preparation is crucial for optimal performance of Vibra-Tite VC-3 Threadmate.

1. **Clean Surfaces:** Ensure all fastener threads are clean, dry, and free from oil, grease, dirt, and other

contaminants. Use a suitable cleaning agent if necessary, and allow to dry completely.

2. **Shake Bottle:** Shake the VC-3 bottle thoroughly for 30 seconds before each use to ensure the compound is well-mixed.
3. **Open Carefully:** Open the bottle carefully. Be mindful of the applicator brush.

4. OPERATING INSTRUCTIONS (APPLICATION)

Follow these steps for effective application of Vibra-Tite VC-3 Threadmate:

1. **Apply to Threads:** Using the applicator brush, apply a thin, even coating of VC-3 to the threaded area of the fastener that will be engaged. Ensure complete coverage of the engaged threads.
2. **Allow to Dry:** Allow the applied VC-3 to air dry for 5-10 minutes until it is no longer wet to the touch and appears tacky. Drying time may vary depending on temperature and humidity.
3. **Assemble Fasteners:** Once dry, assemble the fasteners. The VC-3 will create a resilient, vibration-absorbing layer between the threads.
4. **Adjust and Reuse:** The unique properties of VC-3 allow for easy adjustment, removal, and reuse of fasteners without reapplication, provided the coating remains intact.

Key Features in Application:

- **Versatile Use:** Suitable for various applications, preventing loosening and maintaining clamp load.
- **Adjustable and Reusable:** Allows for easy adjustment, removal, and reuse of fasteners.
- **Flexible and Vibration Absorbing:** Proprietary blend of thermoplastic elastomer resins provides excellent vibration damping.
- **Red Color:** The red color allows for easy identification of treated fasteners.

5. MAINTENANCE AND STORAGE

To ensure the longevity and effectiveness of your Vibra-Tite VC-3 Threadmate, follow these maintenance and storage guidelines:

- **Seal Tightly:** After each use, ensure the bottle cap is securely tightened. This prevents air exposure which can cause the compound to harden prematurely.
- **Clean Applicator:** If the applicator brush becomes stiff or clogged, gently clean it with a suitable solvent (e.g., isopropyl alcohol) before the compound fully cures. Avoid excessive cleaning that could damage the brush.
- **Prevent Cap Adhesion:** Periodically clean any VC-3 residue from the bottle neck and inside of the cap threads. This helps prevent the cap from bonding to the bottle, which can make it difficult to open and potentially damage the bottle or cap.
- **Storage:** Store the bottle upright in a cool, dry place away from direct sunlight and extreme temperatures. Proper storage helps maintain the product's consistency and shelf life.
- **Avoid Contamination:** Do not return unused compound from the applicator to the bottle to prevent contamination.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Product hardens in bottle prematurely.	Exposure to air; cap not sealed tightly; improper storage.	Ensure cap is tightly sealed after each use. Store in a cool, dry place. Clean bottle neck and cap threads regularly.
Cap becomes stuck or breaks when opening.	VC-3 has cured on the cap threads, bonding it to the bottle.	Regularly clean the bottle neck and cap threads to prevent compound buildup. If stuck, try gentle heat (e.g., warm water bath for the cap) to soften the compound before twisting.
Applicator brush is stiff or imprecise.	Compound has dried on the brush.	Clean the brush immediately after use with a suitable solvent (e.g., isopropyl alcohol) before the compound fully cures.
Fasteners still loosen after application.	Improper surface preparation; insufficient drying time; inadequate application.	Ensure threads are clean and dry. Allow sufficient drying time for the VC-3 to become tacky. Apply a thin, even coating to all engaged threads.

7. SPECIFICATIONS

Feature	Detail
Product Type	Threadlocker
Brand Name	instrainclug
Model Number	21330
Color	Red
Unit Count	1.0 Count (30cc Bottle)
UPC	046982290978
ASIN	B01NA97OCA
Manufacturer	instrainclug

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or customer service, please refer to the official instrainclug website or contact their customer support directly. Specific warranty terms and conditions may vary.