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3M KNIFELESSFLT164

3M Knifeless Finish Line Vinyl Wrap Cutting Tape User Manual

Model: Finish Line (KNIFELESSFLT164)

Brand: 3M

1. INTRODUCTION

The 3M Knifeless Finish Line Vinyl Wrap Cutting Tape is an innovative tool designed for cutting graphic film and vinyl wraps without the use of a traditional knife. This product allows for precise, clean cuts on various surfaces, including automotive applications, without the risk of damaging the underlying paint or substrate. Its unique design incorporates a high-strength filament that creates a sharp cut line when activated, ensuring professional results.

2. SAFETY INFORMATION

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, please visit www.P65Warnings.ca.gov.

Always handle the tape with clean hands to prevent contamination. Ensure the work area is well-lit and free from obstructions. While this product eliminates the need for a knife, exercise caution during application and removal to avoid accidental injury or damage to the material being cut.

3. PACKAGE CONTENTS

- 1 x Roll of 3M Knifeless Finish Line Vinyl Wrap Cutting Tape (50 Meter / 164 Feet)

4. PRODUCT OVERVIEW

The 3M Knifeless Finish Line Tape is engineered for precision and ease of use in vinyl wrap installations. Key features include:

- **Width:** 3.5 mm (1/8 inch nominal) for fine lines.
- **Conformability:** Designed to conform around complex shapes such as bumpers, door handles, and mirrors.
- **Translucent Design:** Allows for clear visibility of the cut line, enabling precise positioning and repositioning.
- **Residue-Free Removal:** Leaves absolutely no adhesive residue upon removal.
- **Versatility:** Excellent for creating sharp turns and corners.

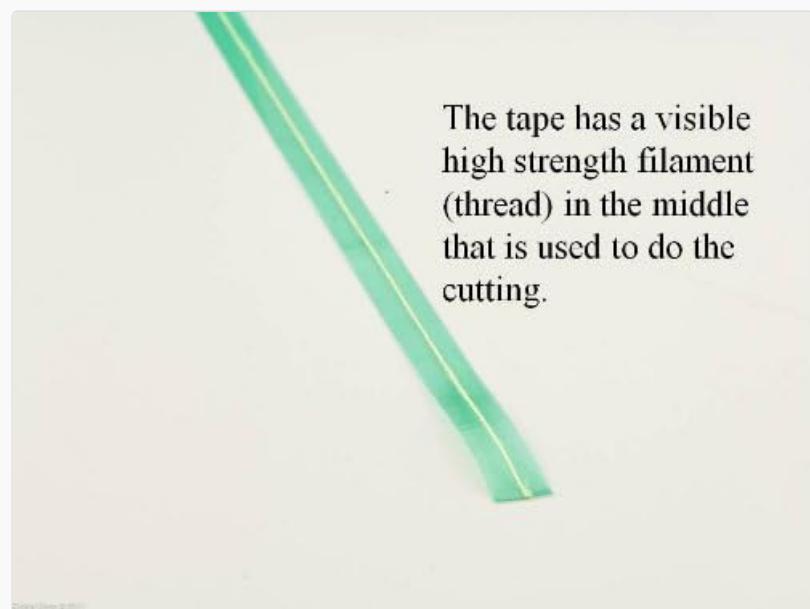


The product packaging for 3M Knifeless Finish Line Vinyl Wrap Cutting Tape, showing the brand logo and product name. The package indicates 'No blade. No damage. No worry.' and specifies 3.5 mm x 50 m (164 ft).



Knifeless is a tape that can be used to cut graphic film without using a knife.

A roll of green 3M Knifeless Finish Line Tape, illustrating its compact form. Knifeless tape is designed to cut graphic film without the need for a traditional knife.

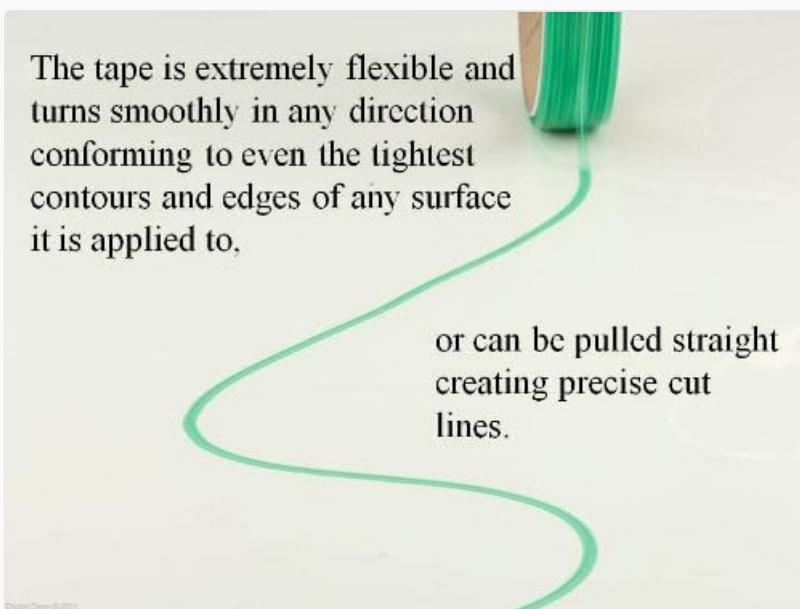


The tape has a visible high strength filament (thread) in the middle that is used to do the cutting.

A close-up view of the 3M Knifeless Finish Line Tape, highlighting the visible high-strength filament (thread) embedded in the middle, which is responsible for the cutting action.



An example demonstrating a clean, sharp cut made on a piece of patterned vinyl film using the 3M Knifeless Tape. The image also shows the removed excess tape, emphasizing that it leaves no adhesive residue.



The 3M Knifeless Finish Line Tape laid out on a surface, illustrating its extreme flexibility. It can smoothly conform to tight contours and edges or be pulled straight to create precise cut lines.

5. SETUP AND PREPARATION

- Clean the Surface:** Ensure the application surface is thoroughly clean, dry, and free of dust, grease, or any contaminants. This is crucial for proper tape adhesion and vinyl application.
- Plan Your Design:** Carefully plan the desired cut line. The translucent nature of the tape allows for precise placement.
- Unroll and Apply:** Unroll a sufficient length of tape for your intended cut. Avoid touching the adhesive side excessively.

6. OPERATING INSTRUCTIONS

- Apply the Tape:** Lay the Knifeless Finish Line Tape directly onto the surface where you want to create a cut.

Press firmly along the entire length to ensure good adhesion. The tape is highly flexible and can be curved to follow contours.



The green 3M Knifeless Finish Line Tape applied to the side panel of a white car, showing how it can be used to define a cut line for vinyl wrap applications on curved surfaces.



The 3M Knifeless Finish Line Tape meticulously applied along the rocker panel of a car, indicating preparation for a vinyl wrap installation. A car jack is visible nearby.

2. **Apply Vinyl Film:** Carefully lay your vinyl wrap or graphic film over the applied Knifeless tape. Ensure the vinyl adheres smoothly over the tape line, avoiding air bubbles.



Black vinyl wrap material applied over the 3M Knifeless Finish Line Tape on a car's rocker panel, demonstrating the next step in the vinyl wrapping process before the cutting filament is activated.

3. **Activate the Cutting Filament:** Locate the end of the visible filament (thread) at one end of the tape. Gently pull the filament upwards and away from the tape, parallel to the surface. The filament will cut through the vinyl film along the path of the tape.
4. **Remove Excess Vinyl:** Once the cut is complete, carefully remove the excess vinyl film from the area.
5. **Remove the Tape:** Peel off the Knifeless tape. It is designed to remove cleanly without leaving any adhesive residue on the surface or the newly cut vinyl.
6. **Tips for Turns and Corners:** When navigating sharp turns or intricate corners, ensure the tape is pressed down firmly to follow the contour. Pull the filament slowly and consistently to achieve a clean, continuous cut. Always leave sufficient extra length at the start and end of the tape to get a solid grip when pulling the filament.

7. MAINTENANCE

Store the 3M Knifeless Finish Line Tape in its original packaging in a cool, dry place, away from direct sunlight and extreme temperatures. This helps maintain the adhesive quality and the integrity of the cutting filament. Keep the tape free from dust and debris to ensure optimal performance.

8. TROUBLESHOOTING

- **Uneven Cuts:** If cuts are uneven, ensure the tape was applied smoothly and firmly without kinks or bubbles. The filament should be pulled at a consistent speed and angle. Practice on scrap material can improve technique.
- **Tape Not Adhering:** Ensure the surface is completely clean and dry before application. Low temperatures can affect adhesive performance; ensure the tape and surface are at an appropriate working temperature.
- **Residue Left Behind:** While designed for no residue, ensure the tape is removed slowly and at a shallow

angle. If residue occurs, it may be due to improper surface preparation or extreme environmental conditions.

- **Filament Breaks:** If the filament breaks during cutting, it may be due to pulling too quickly, at an incorrect angle, or encountering an obstruction. Start a new section of tape slightly overlapping the previous cut.

9. SPECIFICATIONS

Feature	Detail
Brand	3M
Model	Finish Line (KNIFELESSFLT164)
Color	Green
Material	Vinyl
Number of Items	1
Special Feature	No Residue
Product Dimensions	0.14"W x 0.14"Th
Surface Recommendation	Door (suitable for various automotive surfaces)
Water Resistance Level	Not Water Resistant (tape itself)
Size	50m / 164ft
Item Weight	1.44 ounces
UPC	076308882280, 767278836624
Date First Available	April 26, 2012

10. WARRANTY AND SUPPORT

For specific warranty information regarding your 3M Knifeless Finish Line Vinyl Wrap Cutting Tape, please refer to the official 3M website or contact 3M customer support directly. Product support and additional resources may be available through the [3M Industrial Store on Amazon](#) or authorized distributors.