

**Technical Data Sheet**  
**Durable Floor Marking Tape 971 & 971L**

**Technisches Datenblatt**  
**Durable Floor Marking Tape 971 & 971L**

**Fiche Technique**  
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**Scheda Tecnica**  
**Durable Floor Marking Tape 971 & 971L**

**Ficha Técnica**  
**Durable Floor Marking Tape 971 & 971L**

**EN** English



**DE** Deutsch



**FR** Français



**IT** Italiano



**ES** Español



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Durable Floor Marking Tape 971 & 971L

## Product Description

3M™ Durable Floor Marking Tape 971 & 971L are designed to withstand scuffing from general warehouse equipment and traffic typically found in shipping/receiving and storage areas. Its combination of rubber adhesive and thick vinyl backing provides a strong bond to the floor yet promotes one-piece, clean removals. The tape is ideal for 5S lean manufacturing initiatives.



### Key Features

- Thick vinyl backing resists abrasion caused by general warehouse equipment and traffic while maintaining their vivid colors.
- The unique adhesive provides a strong bond to most floors and good holding power yet provides clean one-piece removal from many surfaces.
- Finished tape as applied can withstand standard floor cleaning procedures.
- Self-wound tape construction allows ability to use with 3M™ Lane Marking Applicator M1 (with modifications).
- Easy release liner version for ability to die cut shapes.
- Ideal for 5S lean manufacturing initiatives.



### Product construction

Backing:	Adhesive:	Liner:	Color:
Vinyl	Rubber	Polyester	Yellow, White, Red, Blue, Orange and Green.



### Performance characteristics

		ASTM Test Method
Adhesive to steel:	39 N/100 mm	D-3330
Tensile Strength at Break:	1231 N/100mm	D-3759
Elongation at Break:	247 %	D-3759
Backing Thickness:	0,38 mm	D-3652
Total Thickness:	0,43	D-3652
Liner Thickness:	0,05 mm	D-3652
Temperature Use Range:	Up to 49 °C	

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

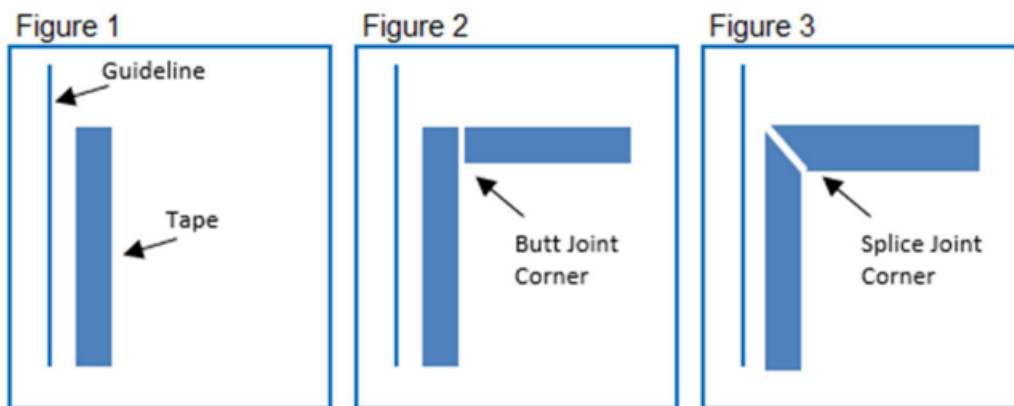
## Floor Marking Installation

### Surface Preparation:

1. Surfaces to be marked with 3M™ Durable Floor Marking Tape should be as clean, dry, and smooth as possible. Floors may require cleaning to remove all traces of oils, grease, moisture, and any accumulation of waxes, coatings, finishes as well as dust, dirt and other grime.
2. Cleaning solutions should be chosen that do not leave residues or waxes on the surface to which the tape is to be applied. Always allow sufficient time for thorough drying of the cleaning solution prior to application of the tape.
3. Freshly sealed surfaces, including, but not limited to, concrete, varnished or waxed floors should be allowed to dry thoroughly prior to application of the tape. Note: Be sure to follow manufacturer's precautions and directions for use when using cleaning solutions or sealers. Wear appropriate personal protective equipment when sandblasting, scraping, sanding, or grinding.

## Application Procedures

1. After completing the surface preparation process 3M™ Durable Floor Marking Tape can then be applied to the surface of the intended application. Optimal adhesion is obtained when both the tape and intended surface are within a temperature range of 16 ° to 27 °C.
2. When applying the tape in long straight lines a chalk line may be used as a guideline (figure 1).
3. To apply the tape, remove a portion of the end of the tape and firmly tack it down to the floor. Gently pull to unwind the tape from the roll as it is being applied by hand, following the chalk line (figure 1).
4. Where joints are required, such as at corners and splices, a miter joint or butt joint is recommended (see figure 3 and figure 4).
5. Once the tape has been applied, additional pressure is recommended. Using a weighted roller, walking directional over tape, or 3M™ Hand Applicator PA1-B Blue is recommended to help fully adhere the adhesive of the tape to the application surface.



## Removal Techniques

1. To help minimize damage to the surface and to encourage clean removal it is recommended that the 3M™ Durable Floor Marking Tape be lifted gently at a corner then pulled up at a perpendicular angle.
2. If there is any adhesive residue, it may be softened by use of 3M™ Citrus Based Cleaner\* or many common solvents such as heptane, toluene, or methyl ethyl ketone.

\*Be sure to follow the manufacturer's precautions and directions for use when using solvents. Prior to using any solvent to help remove adhesive residues, it is strongly recommended that the solvent be tested to determine compatibility in an inconspicuous location with the underlying surface finish.

## Storage and Shelf Life



Store at 15 °-25 °C and 40-60 % relative humidity in its original packaging material. To obtain best performance, use 3M™ Durable Floor Marking Tape within 18 months from date of manufacture.

**Trademarks:** 3M is trademark of 3M Company.

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**Precautionary Information:** Refer to product label and Safety Data Sheet (SDS) for health and safety information before using the product. For information, please contact your local 3M Office. You can click or scan QR code to see contact detail or visit [www.3M.com](http://www.3M.com)

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