



Ultra Durable Floor Marking Tape 971

Product Data Sheet

Date: July 2018
Supersedes: NEW

Product Description

3M™ Ultra Durable Floor Marking Tape 971 is designed to withstand the handling with pallets and high traffic with industrial trucks.

Key Features

- designed to withstand heavy traffic areas as well as scuffing from pallets and heavy equipment
- unique adhesive provides a strong bond to most floor surfaces, yet provides clean one-piece removal from many surfaces
- pigmented backings maintain their vivid colours even when exposed to heavy abrasion
- easy release liner for quick application
- ideal for 5S lean manufacturing initiatives
- bright colours for high visibility
- easy & clean removal

Product Construction

Backing	Poly Lactic Acid (PLA)
Adhesive	Rubber
Colour	Yellow, Red, Blue, White, Orange & Green

Physical Properties

	Acc. to ASTM Test Method	Results
Adhesion to Steel	D-3330-04	13 N/cm
Tensile Strength	D-3759	429 N/25mm
Elongation at Break	D-3759	290 %
90° Liner Release	D-3330 (90° peel to aluminium)	21 cN/25mm
Tape Thickness	D-3652	0,85 mm
Liner Thickness	D-3652	0,065 mm

Application Ideas

- 5S manufacturing initiatives
- Floor marking in factory or warehouse high traffic areas, including areas with pallets and heavy equipment
- Floor Marking of walkway lanes

Application Surface Preparation

Surfaces to be marked with 3M™ Ultra-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.

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

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 Procedure

1. After completing the surface preparation process 3M™ Ultra 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 guide line (figure 1).

3. To apply the tape, remove a portion of the liner from one end of the tape and firmly tack it down to the floor. Gently pull liner away from tape at an angle as it is being applied by hand, following the chalk line (figure 2).

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, a weighted roller, hand roller is recommended to help fully adhere the adhesive of the tape to the application surface

Figure 1

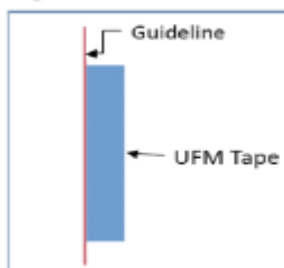


Figure 2

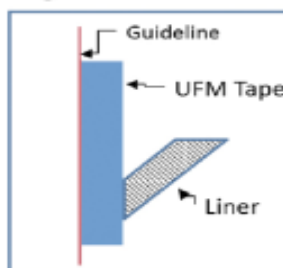


Figure 3

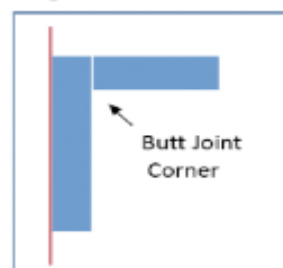
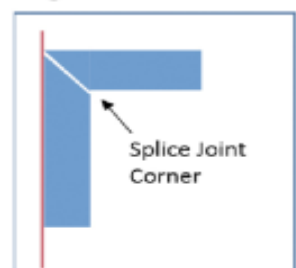


Figure 4



Removal Techniques

1. To help minimize damage to the surface and to encourage clean removal of the 3M™ Ultra-Floor Marking Tape, it is recommended to lift the tape gently at a corner then pull it 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.*

***Note:** 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 & Shelf Life

Store at 16 °C – 25 °C and 40-65 % relative humidity in its original box.
The product can be stored up to 12 months after production.

Precautionary Information

Refer to product label and Material Safety Data Sheet for health and safety information before using the product.
For information please contact your local 3M Office.
www.3M.com

For Additional Information

To request additional product information or to arrange for sales assistance, call
Address correspondence to:

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