

Floor Marking Tape Overview

Regulations

2021 International Building Code

1025.2.4.1 Floor-Mounted Demarcation Lines: Perimeter demarcation lines shall be placed within 4 inches (102 mm) of the wall and shall extend to within 2 inches (51 mm) of the markings on the leading edge of landings. The demarcation lines shall continue across the floor in front of all doors.

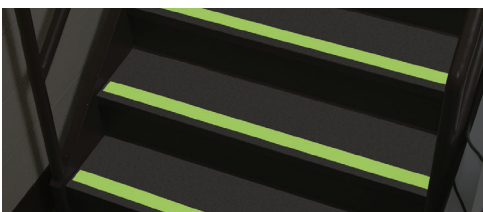
1025.1: Approved luminous egress path markings delineating the exit path shall be provided in high-rise buildings ... in accordance with this section.

OSHA

Letter of Interpretation 1910.22(b): The lines used to delineate aisles may be any color so long as they define the area considered as aisle space. The lines may be composed of dots, square, strip or continuous, but they too must define the aisle area. The recommended width of aisle markings varies from 2 inches to 6 inches. The recommended width of aisles is at least 3 feet wider than the largest equipment to be utilized, or a minimum of 4 feet.

1910.176(a): Use of mechanical equipment. Where mechanical handling equipment is used, sufficient safe clearances shall be allowed for aisles, at loading docks, through doorways and wherever turns or passage must be made. Aisles and passageways shall be kept clear and in good repair, with no obstruction across or in aisles that could create a hazard. Permanent aisles and passageways shall be appropriately marked.

Brady Color Guide



Color		Area
Yellow		Aisle ways, traffic lanes and work cells
White		Equipment and fixtures not otherwise color coded (workstations, carts, floor stand displays, racks, etc.)
Blue, green and/or black		Materials and components, including raw materials, work-in-progress and finished goods
Orange		Materials or products held for inspection
Red		Defects, scrap, rework and red tag areas
Photoluminescent		Steps and perimeter demarcation to identify egress routes in a lights-out emergency
Red and white		Areas to be kept clear for safety/compliance reasons (areas in front of electrical panels, firefighting equipment and safety equipment, such as eyewash stations, safety showers and first aid stations)
Black and white		Areas to be kept clear for operational purposes (not related to safety and compliance)
Black and yellow		Areas that may expose employees to special physical or health hazards

ToughStripe® Floor Marking Guidance

Why use floor marking tape?

- ▶ Improve safety and productivity, and reduce waste
- ▶ Establish a cleaner, safer, more efficient and more visual facility

Why Brady?

- ▶ Comprehensive offering covering all environments created by industry experts
- ▶ Competitively priced
- ▶ Multiple shapes: dots, arrows, dashes, footprints, corners and other custom die-cut options

Why ToughStripe Tape?

- ▶ Lasts up to 3 years; removable as needed
- ▶ Reduced preparation time
- ▶ Suitable for indoor and dry environments; adheres best to smooth surfaces
- ▶ Tapes available in two-color stripes

Where to apply?

- ▶ Aisleways
- ▶ Traffic lanes
- ▶ Work cell outlines
- ▶ QA inspection areas
- ▶ Hazard areas
- ▶ Equipment storage areas
- ▶ Material storage areas
- ▶ Defect, scrap or rework areas
- ▶ “Keep clear” zones

3-step application process

1. Wipe the surface using your current standard cleaning method.
 - ▶ For areas with stubborn adhesive residue, a mild cleaner or degreaser may be used.
 - ▶ Do not use chlorine- or acid-based cleaners, or other liquids that may leave a residue.
 - ▶ If a cleaner or degreaser is used, an additional mop step (no soap) should be applied to ensure no residue remains on the surface.
 - ▶ Ensure the prepared area is not slippery, oily or otherwise compromised.
2. Allow sufficient time for surface to dry completely.
3. Apply floor marking tape.

Adhesion rates

ToughStripe floor tapes last where other factory and warehouse floor marking tapes don't, yet are easy to apply and remove.

Low Adhesion	Moderate Adhesion	Strong Adhesion
▶ Silica, aluminum oxide and garnet grit ▶ Particle epoxy ▶ Large diamond metal	▶ Small diamond metal ▶ Hexagonal metal ▶ Smooth epoxy	▶ Ceramic tile ▶ Linoleum tile ▶ Flecked urethane ▶ Solid urethane ▶ Concrete

Brady Floor Marking Options

Reflective Tape (B-957)	ToughStripe (B-514)	ToughStripe Max (B-553)
▶ Gives an extra margin of safety in low-light conditions ▶ Best solution for public signs that need to be visible at night ▶ Long-lasting premium vinyl ▶ More difficult to apply and more expensive	▶ Ideal for denoting aisles, passageways, storage locations, safety equipment and egress paths ▶ Exceeds safety standards for clean, dry non-slip surfaces per ANSI A 1264.2-2006 and OSHA 1910.22 ▶ 0.2mm thick and service temperature range of 0°-129°F ▶ Resists harsh chemicals	▶ Built stronger, lasts longer in forklift and heavy traffic areas ▶ 50% thinner than previous version of ToughStripe Max and 2X more durable than similar thickness vinyl tape ▶ Thinner profile and true edge-to-edge adhesive minimize pick points ▶ Plasticizer-free polyester (PETG)



▶ **Learn more at [BradyID.com/Tape](https://bradyid.com/Tape)**