

Installation Instructions for Obstacle Markings

PERMALIGHT[®] Obstacle Marking Options



PERMALIGHT[®] Obstacle Tape Roll
UL1994-listed Photoluminescent/Black Contrast Self-Adhesive Tape

Available in the following sizes:

- 1" x 164' roll (SKU: 82-44151L)
- 1" x 82' roll (SKU: 82-44151)

PERMALIGHT[®] Obstacle Strip
UL1994-listed/MEA-Certified Photoluminescent/Black Contrast Self-Adhesive Thin Aluminum Strip

- 1" x 48" strip (SKU: 82-44151ALU)

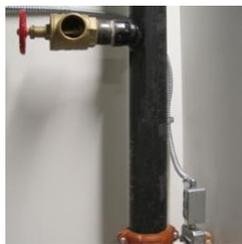
The Building Code requires objects that **project more than 4 in. into the egress path at or below 6 feet 6 inches** (= 78 in.) in height to be outlined with black/photoluminescent Obstacle Marking. Determine which pipes, permanent firefighting equipment, evacuation chair cabinets and other objects qualify for markings.

IMPORTANT INSTALLATION NOTE

To correctly position the application of the obstacle marking tape/strip: imagine building evacuees and their walking path coming down the stairs from: higher floors OR entering a staircase from the Access Corridor OR evacuees going up the stairs, coming out of basements: **position the obstacle marking on the clearly viewable surface(s) of the obstacle for the entire height up to 78 inches.**

Surface Preparation

1. **You need a smooth + clean installation surface.** Ensure the obstacle surface has no loose paint coming off - remove any flaking paint with a scraper and smooth any surface unevenness with sandpaper. Be aware of pipes that have been painted over repeatedly; their surface may be spiky and rough.



(Sample) Installation Surface



Scrape/Sand Loose Paint



Wet Clean Surface



Alcohol Clean Surface

2. **The obstacle surface must be dry, dust-free, and clean before installing the obstacle marking tape or strip.** Dampen a microfiber cloth with water and **wet clean** the obstacle to thoroughly remove any grease, dirt, or grime. Once the obstacle surface has dried, **alcohol clean** it using a different microfiber cloth dampened with 70% isopropyl alcohol.

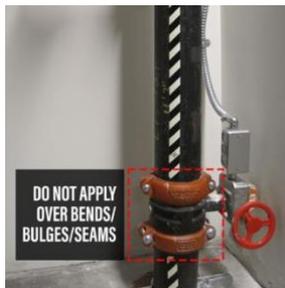
Installation Preparation

3. Measure the obstacle lengths that need to be marked and cut PERMALIGHT[®] Obstacle Marking tape/strip to appropriate length. Note: Most of the time obstacles are round pipes.

Round all pipe-installed Obstacle Marking ends (*example shown to the right*) using scissors or a toe-nail clipper. The rounded marking ends help the marking conform better to the round pipe surface.



4. **Do not curve Obstacle Markings over odd bends. Do not apply on welded bulges and pipe seams:** cut *before* seam/bulge and restart thereafter. Small gaps are OK: it is better to apply short strips between two pipe connection seams and avoid any wrinkles or gaps between marking and pipe surface, since exposed adhesive will dry out and may loosen the marking over time.



USE PRESSURE ROLLER
TO APPLY FIRM
PRESSURE AND SQUEEZE
OUT AIR BUBBLES



SKU: 86-7006

Installation Instructions

5. **Remove adhesive-protecting paper backing without touching adhesive:** hold obstacle tape/strip along its edges only.
6. Press Photoluminescent/black Obstacle Marking in place **at the top**. **Do not pull tape;** instead **lay** it onto obstacle surface **without stretching**. Remove the paper line foot-by-foot and press onto the tape as you pull.

Afterwards use a **Pressure Roller** to apply **firm and even pressure** onto the entire marking to ensure its adhesive backing comes in full contact with the obstacle surface. The pressure roller also helps to **squeeze out any air bubbles**.