

# Product Data Sheet

## PERMALIGHT<sup>®</sup> Power 150/22 Photoluminescent Obstacle Tape

SKUs: 82-44151 and 82-44151L

### Product Description

The PERMALIGHT<sup>®</sup> Photoluminescent Obstacle Tape is a UL1994 listed Egress Path Marking System Component. This self-adhesive tape is designed to clearly mark low-hanging or protruding obstacles that are at or below 6 feet 6 inches in height and extend more than 4 inches into the egress path, in compliance with NYC Local Law 141. The tape features a high-contrast pattern of alternating photoluminescent and black stripes, angled at 45 degrees, to enhance visibility in both normal and low-light conditions. Its purpose is to reduce the risk of injury by drawing attention to obstacles in walking paths during both everyday movement and emergency evacuation.

### Product Specifications

- **UL Model:** CC-TAPE
- **Material Class:** Photoluminescent polyester, PERMALIGHT<sup>®</sup> Power 150/22
- **Roll Sizes:**
  - 82-44151: 1in x 82ft
  - 82-44151L: 1in x 164ft
- **Temperature Resistance:** -40°C to +80°C
- **Outdoor Durability:** 2 years\*
- **Indoor Durability:** Virtually Unlimited

\*Tested under vertical outdoor exposure and Central European standard climate conditions.

#### Durability in Outdoor Use – Assessment after 2 Years of Weather Exposure

- Overall appearance: Surface slightly duller, sign remains flat and smooth.
- UV stability and color retention: Colors slightly faded, readability 100% maintained.
- Overall assessment: The entire combination withstands 2 years of outdoor use.

#### Technical Data

- **Surface gloss level:** 30 – 35 GE / 20° (DIN 67531)
- **Thickness:** 0.8 – 1.0 mm
- **Adhesive:** Acrylic Adhesive

#### Luminance Values (DIN 67510 and UL1994)

Luminance 10 min after light outage	Luminance 60 min after light outage	Classification by manufacturer *** (10/60 min value)	Decay duration
150 mcd/m <sup>2</sup>	22 mcd/m <sup>2</sup>	Class C (140/20 mcd/m <sup>2</sup> )	2100 min / 35h

\*\* According to DIN 67510-1:2020 – Long-lasting photoluminescent pigments and products, measurement and classification by the manufacturer.



## Product Specifications (Cont.)

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### Wipe Resistance

Wipe test based on DIN 30643:

- Isopropanol: ✓
- n-Heptane: ✓
- Artificial hand sweat solution: ✓
- Fats and oils: ✓

### Chemical Resistance

Immersion test based on DIN 30646:

- Distilled water (65°C): ✓
- 10% washing lye: ✓
- Cold cleaner: ✓
- Transformer oil: ✓
- Test gasoline 145/200: ✓
- Antifreeze: ✓
- Diesel: ✓

## Application and Use

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The tape is suitable for bonding to most smooth surfaces. Please ensure that the surface to be covered is free of grease (oil, wax, silicone) and dust. Pre-clean with spirit or window cleaner if necessary. Apply the tape without bubbles and press it on firmly.

Ideal for use on a variety of obstacles such as:

- Pipes
- Fire hoses
- Electric circuit boxes
- Overhead projections
- Evacuation chair cabinets

## Cleaning Instructions

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- A sponge soaked in a warm water solution of mild alkaline detergent is recommended for cleaning the surfaces
- Do not use abrasive cleaners such as scouring agents, alcohols, or solvents.

## Storage Instructions

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- Shelf life is 2 years in unopened original packaging when stored at 23 °C and 50% relative humidity
- Keep product protected from sunlight
- Avoid mechanical damage and sharp bends

Failure to follow these instructions may reduce the service life of the product

## Manufacturer

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All marking products are manufactured in accordance with ISO 9001 and ISO 14001 and meet the highest quality standards. Selected parameters, such as weather resistance and chemical resistance, are tested in our in-house laboratory and monitored at regular intervals.

**Important Notice:** All PERMALIGHT products undergo rigorous quality control throughout the manufacturing process. We supply all products in commercial quality and free from manufacturing defects. Published product information does not constitute a guarantee of properties within the meaning of § 443 BGB. Given the wide range of applications and the continuous development of new uses, it is the user's responsibility to carefully evaluate the product's suitability and performance before use.

The buyer assumes all risks arising from the use of the product, particularly for obviously improper applications. Modifications are subject to change.

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