

This technical data sheet refers to the following Lighthouse product(s):

CPMS15, Photoluminescent Vinyl

DESCRIPTION

A printable, safety grade flexible photoluminescent tape coated with a permanent acrylic adhesive. It has been designed to exceed requirements for emergency egress and other safety standards.



Alteration to print settings required with this product.

CPM-100 Set 'Print Density' to 9
CPM100H Set 'Print Density' to 7

APPLICATIONS

Designed for indoor safety applications such as safety signage in building, marine, rail and military applications.

PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	NOMINAL RESULTS
Thickness	PSTC – 133 - Substrate - Pressure Sensitive adhesive - Release Liner	0.005 inch (0.127 mm) 0.002 inch (0.051 mm) 0.006 inch (0.152 mm)
Peel Adhesion to:	PSTC – 101	
- Stainless Steel	15 minute dwell 24 hour dwell	48 oz/in (52 N/100 mm) 70 oz/in (80 N/100 mm)
- Powder coated surfaces*	15 minute dwell 24 hour dwell	40 oz/in (44 N/100 mm) 48 oz/in (52 N/100 mm)
- Polyethylene	15 minute dwell 24 hour dwell	35 oz/in (38 N/100 mm) 38 oz/in (42 N/100 mm)
Shear Adhesion to:	PSTC – 107	
- Stainless Steel	½" x ½" x 1000g	1 hour
Tack	PSTC – 6 Rolling Ball Tack	< 2 inches
Luminous Values	DIN 67510 / ASTM 2072 (Xe lamp 1000Lx / 5 min) 10 min (Xe lamp 1000Lx / 5 min) 60 min	72 mcd/m ² 9.5 mcd/m ²
Luminous Compliance	DIN 67510, ASTM 2072, ISO 15370, EU Marine Equipment Directive, IMO RES A. 752 (18), PSPA Class B	
Service Temperature		
High	14 days at 65°C	No visible effects
Low	14 days at -28°C	No visible effects

CHEMICAL PROPERTIES	REAGENT	RECOMMENDATION
Solvent Resistance <i>(Product laminated to stainless steel panel and allowed to condition for 24 hrs at room temperature before testing. Sample was covered with reagent to the point that edges of product are also exposed to the reagent. The product is exposed to reagent for 1 hour at room temperature then reagent is removed and product is immediately tested for scrape resistances, delaminating and other visual effects).</i>	Water	Recommended
	10% salt water	Recommended
	Bleach	Recommended
	Trichloroethylene	Not Recommended
	25% Sulphuric Acid	Recommended
	1% Sodium Hydroxide	Intermittent Contact Only
	Unleaded Gasoline	Intermittent Contact Only
	Diesel Fuel	Intermittent Contact Only
	Hydraulic Fluid	Recommended
	50% anti-freeze in water	Recommended
	MEK	Not Recommended
	Mineral spirits	Recommended
	99% IPA	Recommended

Colour and lot variances of coated surfaces including paints, powder coatings, lacquers, stains and other treatments may vary the performance of the tape and should be evaluated for the compatibility of the tape to the specific surface.

IMPORTANT NOTICE

All Lighthouse products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning Lighthouse products is based on research, which the Company believes to be reliable, although such information does not constitute a warranty.

Because of the variety of uses of Lighthouse products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.