

TECHNICAL DATA SHEET

	TDS No:	015	Issue No:	1
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PRODUCT	NovaGlow DuraLine Class B			

DESCRIPTION

A range of plain and printed Photoluminescent Floor Marking Safety Egress Tapes to PSPA Class B which are protected with a clear, heavily embossed tough, durable PVC anti-slip laminate. It is coated with a permanent acrylic adhesive and has been designed to exceed requirements for emergency egress and other safety standards.

APPLICATIONS

NovaGlow DuraLine is designed primarily for floor applications in safety way guidance systems in building, marine, rail, and military applications although its durability lends its use to areas prone to more wear and tear or abrasion.

PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	NOMINAL RESULTS
Thickness	PSTC - 133 - PL Layer - Clear anti-slip layer - Total product thickness - Liner thickness	0.23 mm 0.508 mm 0.738 mm 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/100mm)
- 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	1/2" x 1/2" x 1000g	1 hours
Tack	PSTC - 6 Rolling Ball Tack	< 2 inches

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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PHYSICAL PROPERTIES	TEST METHODS	NOMINAL RESULTS
Luminous Values	DIN 67510 / ASTM 2072 (Xe lamp 1000Lx / 5 min) 10 min (Xe lamp 1000Lx / 5 min) 60 min	119mcd/m2 12.4mcd/ m2
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 100°F	Not Recommended 150°F max. service
Low	14 days at -30°F	No Visible effects
Coefficient of Friction (Kinetic)	ASTM D1894 Dry Rubber Wet Rubber Dry Leather Wet Leather	0.9 1.0 0.3 1.0
Anti-Slip Compliance	BGR R11 Classification for slip resistance in floor coverings and Graphics (Observes BGR 181 and DIN 51130)	Anti-Slip Compliance
Service Temperature High	14 days at 220°F	No Visible effects, moderate shrinkage and high elasticity.
Low	14 days at -20°F	No Visible effect

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CHEMICAL PROPERTIES	REAGENT	RECOMMENDATION
<p><u>Solvent Resistance</u> <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></p>	Water	Recommended
	10% Salt Water	Recommended
	Bleach	Recommended
	Trichloroethylene	Not Recommended
	25% Sulfuric Acid	Intermittent Contact Only
	1% Sodium Hydroxide	Recommended
	Unleaded Gasoline	Recommended
	Diesel Fuel	Recommended
	Hydraulic Fluid	Recommended
	50% Antifreeze 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.

Note: While the data contained herein is believed to be reliable averages of the product's properties, the data should not be used for specification purposes. Customers who desire specific performance data should contact Jessup Manufacturing Company for further recommendations.

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