Photoluminescent Escape Route Signs

JALITE the obvious choice for professionals who are serious about safety.

JALITE®
Engineered for life safety!

ESCAPE ROUTE SIGNS, A LIFE MAY DEPEND ON IT!

Signs are designed in conformance with BS EN ISO 7010 and is recommended for use as prescribed in BS ISO 16069 for Graphical symbols - safety signs - safety way guidance systems (SWGS). Manufactured on high luminance photoluminescent to satisfy International Standards for photoluminescent requirements.

ESCAPE ROUTE SIGNS

Escape route signs should be sited in conspicuous positions along the escape routes, priority given to the shortest possible route from any point. They are also required at every decision making point, indicating:

- Change of level
- Change of direction
- Identification of escape doors by siting signs above
- escape doors.

JALITE PHOTOLUMINESCENT MATERIALS

Material Classification & Testing:

JALITE PLC operates a total quality procedure satisfying the requirements of BS EN ISO 9001 to continuously improve customer satisfaction and sustain the quality and integrity of JALITE photoluminescent materials.

JALITE photoluminescent materials are systematically tested for photoluminescent luminance decay properties according to the test procedure given in German Standard DIN 67510 Part 1. This method is also specified in BS ISO 17398 and BS ISO 16069.

JALITE as founder member of the Photoluminescent Safety Products Association were heavily involved in setting the industry classification system which was formally adopted in the above ISO Standards. According to DIN 67510 the luminance at 10 minutes decay time and at 60 minutes decay time are used to form a brief description of the luminance decay performance. Giving the following notations for the classifications of DIN 67510 and BS ISO 17398:

LUMINANCE CLASSIFICATIONS / DIN 67510 NOTATION:

Class A 23/3
Class B 50/7
Class C 140/20
Class D 260/35

LUMINANCE CLASSIFICATIONS FULL BS ISO 17398 SPECIFICATION:

	Class A	Class B	Class C	Class D
2 minutes	108	210	690	1100
10minutes	23	50	140	260
30 minutes	7	15	45	85
60 minutes	3	7	20	35

Jalite also has the capability to perform luminance testing against many of the international requirements: DIN 67510, BS ISO 17398, BS ISO 3864-4, ASTM 2072, A752.18, BS ISO 15370, SANS 1186 1/5, NYC RS6-1, TEL 231 and many more. For further technical details and luminance properties under different light sources and illumination conditions please e-mail or contact us.

MATERIAL COMPOSITION

Developed to meet and exceed the demands of real life safety applications, highly efficient and receptive to modern lighting techniques maximising both initial brightness and longevity. Jalite AAA photoluminescent material incorporates revolutionary 3rd generation phosphorescent pigment technology and is accredited to satisfy the requirements of current safety and design specifications.

Jalite AAA materials are typically used for escape route signs, fire safety signs, evacuation plans, low location lighting systems, stair nosing, self-adhesive photoluminescent tapes and many more life safety applications.

Excitation, lux level and time	2 minutes		10 minutes		30 minutes		60 minutes		Time to 0.3mcd/m² (min)	
1000 lux for 5 minutes (DIN 67 510 / PSPA)	1108	690	214	140	59	45	24	20	2200	>1800
(2fc / 21.5 lux) for 120 minutes (NYC RS6-1)	-	-	57	30	-	-	11	7	*90 min*	
									7	5
50 lux for 15 minutes TEL/231	240	210	80	50	27	15	12	7	1900	>900

Jalite C Class Material Standard Requirement

Luminance results are measured in mcd/m²
N.B. All values at all decay times are evaluated from mean readings of standard production data.