

Product Data Sheet

50102 Lumilux® Green SN-F20

Main use Long glow safety signs and products for egress path marking systems according to DIN 67510-4, ISO 16069, ISO 17398, NYC II26, IMO, BGR 216

Useable for Solvent-based paints and inks, thermoplastics, thermosetting plastics

Typical properties

Composition freely flowing powder
 Insoluble in alkaline earth aluminate
 Decomposition by alkalis, organic solvents
 water, acids, dispersions

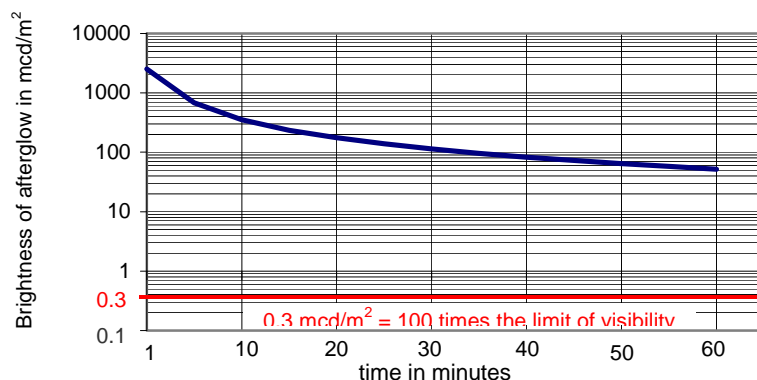
Typical physical properties

Appearance yellowish-green appearant powder
 Specific gravity 3.4 g/cm³
 Particle size distribution d₅₀ = max. 24 µm as determined by COULTER Lasersizer 230
 Screen analysis max. 1 % oversized particles on 125 µm testing screen

Typical luminescent properties

Excitation white light, UV radiation
 Color of fluorescence green
 Color of phosphorescence green
 Reference criterion to DIN 67510-1 295/40-3500-W-K

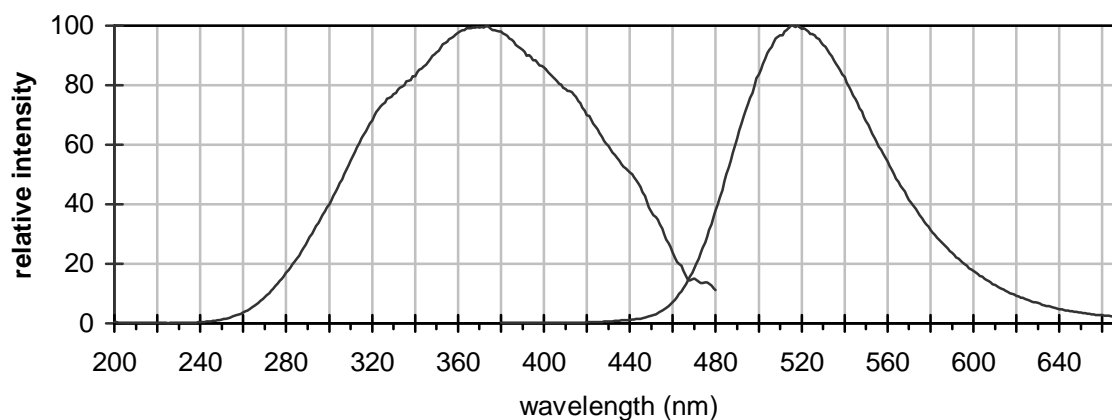
Typical decay curve



Typical glow brightness and glow time according to test conditions DIN 67510-1:

decay time:	brightness:
after 5 minutes	580 mcd/m ²
after 10 minutes	295 mcd/m ²
after 60 minutes	40 mcd/m ²
after 120 minutes	17 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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