

Product Data Sheet 50104 Lumilux[®] Green SN-F25

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Main use Long afterglow products according to DIN 67510 part 4
 Useable for Solvent-based paints and inks, thermoplastics, thermosetting plastics

Typical chemical properties

Composition alkaline earth aluminate
 Insoluble in alkalis, organic solvents
 Decomposition by water, acids

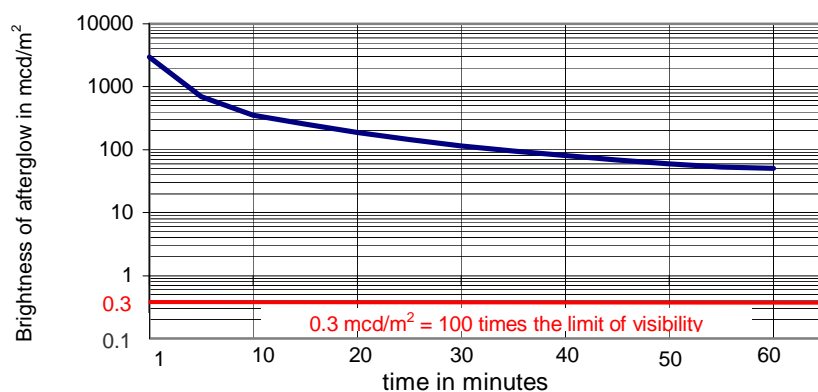
Typical physical properties

Appearance yellow-green powder
 Specific gravity 3.4 g/cm³
 Particle size distribution d₅₀ = max. 34 µm as determined by COULTER Lasersizer 230
 Screen analysis max. 0.5 % oversized particles on 80 µm testing screen

Typical luminescent properties

Excitation white light, UV radiation
 Color of fluorescence green
 Color of phosphorescence green
 Reference criterion to DIN 67510, part 1 min. 350/50-4000-W-K

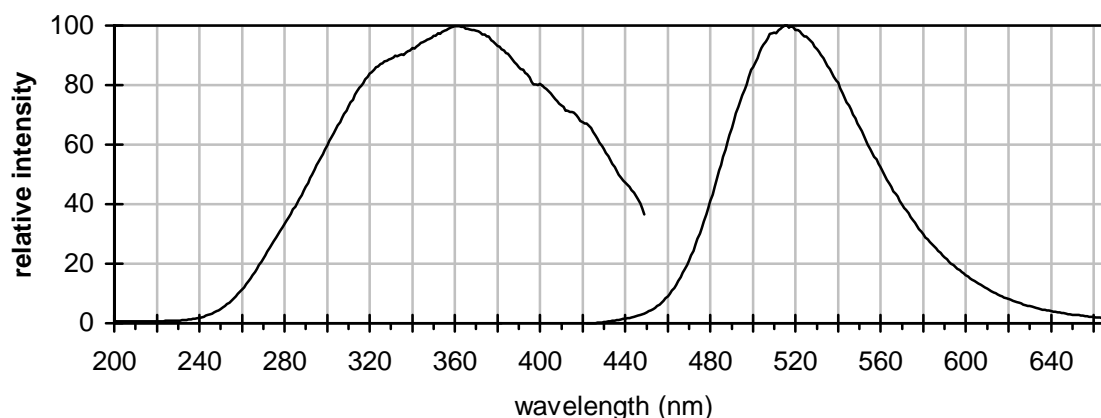
Typical decay curve



Typical intensity of afterglow according to the German norm DIN 67510-1:
 Photoluminescent pigments and products - Part 1:
 Measurement and marking at the producer

after 5 minutes	690 mcd/m ²
after 10 minutes	350 mcd/m ²
after 60 minutes	50 mcd/m ²
after 120 minutes	21 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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