

Product Data Sheet

50034 Lumilux® Effect Blue SN

www.honeywell-lumilux.com

Main use Afterglow plastic sheets, silk screen printing paints, injection moulding

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

Typical chemical properties

Composition alkaline earth silicate

Insoluble in water, alkalies, organic solvents

Decomposition by acids

Typical physical properties

Appearance yellowish powder

Specific gravity 3.5 – 4.0 g/cm³

Particle size distribution d₅₀ < 65 µm as determined by COULTER Lasersizer 230

Screen analysis max. 0.1 % oversized particles on 125 µm testing screen

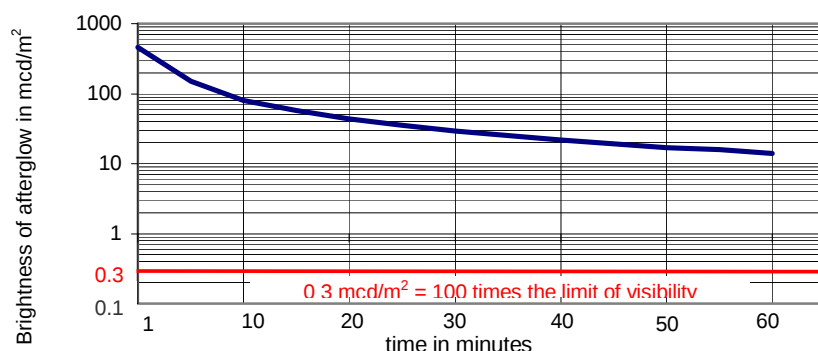
Typical luminescent properties

Excitation white light, UV radiation

Color of fluorescence blue

Color of phosphorescence blue

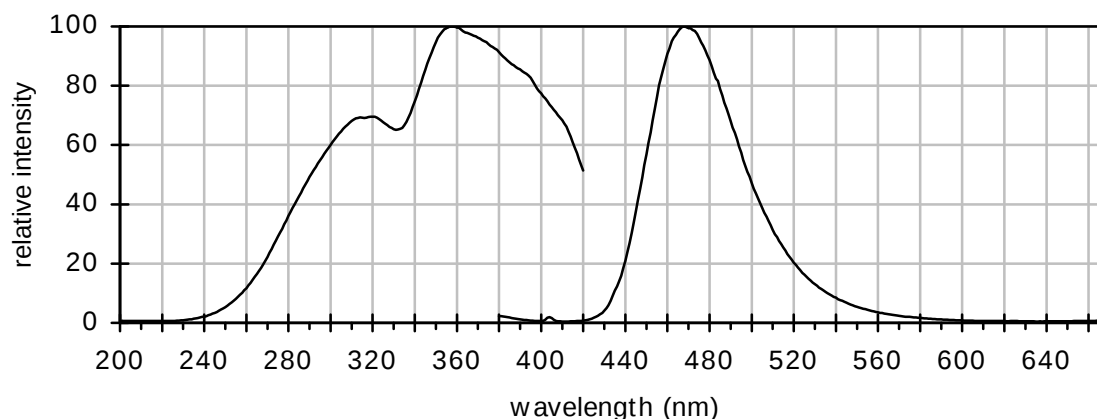
Typical decay curve



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	150 mcd/m ²
after 10 minutes	80 mcd/m ²
after 30 minutes	14 mcd/m ²
after 60 minutes	6 mcd/m ²

Typical excitation (left) and phosphorescence (right) spectra



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