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## Product Data Sheet 50034 Lumilux<sup>®</sup> Effect Blue SN

[www.honeywell-lumilux.com](http://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

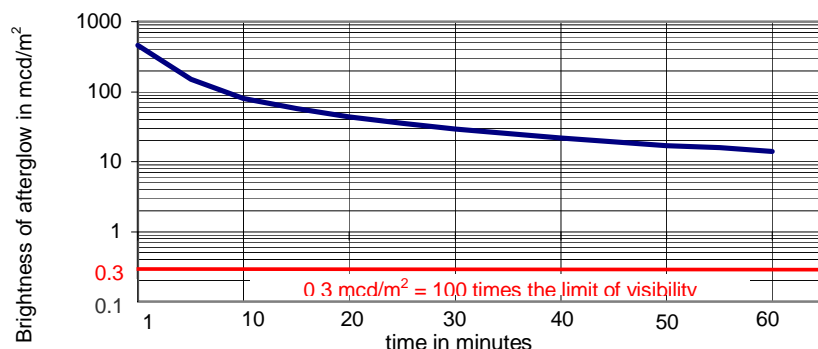
### Typical physical properties

Appearance yellowish powder  
 Specific gravity 3.5 – 4.0 g/cm<sup>3</sup>  
 Particle size distribution d<sub>50</sub> < 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

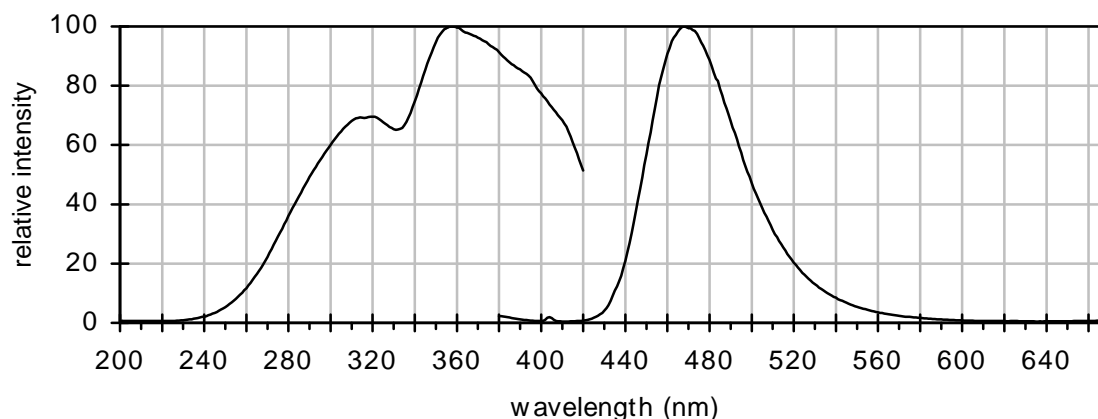
### Typical decay curve



**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 <sup>2</sup>
after 10 minutes	80 mcd/m <sup>2</sup>
after 30 minutes	14 mcd/m <sup>2</sup>
after 60 minutes	6 mcd/m <sup>2</sup>

### Typical excitation (left) and phosphorescence (right) spectra



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