

Technical information (09/2020)

GRAVIHEL GLOW IN THE DARK – POWDER PIGMENT - GREEN

phosphorescent pigment absorbs daylight or light from lamp, allowing the color luminance even when there is not enough light in the room where it is located. It can be used wherever we want to emphasize certain objects or elements, for example: various pillars indicating the path, direction, caution, etc.

Gravihel Glow in the dark color is not suitable for Car refinish painting.

The application can be two or three layers:

Two layers application:

1. Layer: GRAVIHEL PUR or EPOXY PRIMER RAL (75:25 – GHSL 01) or any other 2K Filler from HELIOS REFINISH Programme (white), DFT = 60 µm;
2. Layer: GRAVIHEL TOP COAT 201 or 301 or 401 or 402 or 420 (50:50) – 3 - 5 layers, application by roller or brush. Flash off between layers 15 min./20°

Three layers application:

1. Layer: GRAVIHEL PUR or EPOXY PRIMER RAL (75:25 – GHSL 01) or any other 2K Filler from HELIOS REFINISH Programme (white), DFT = 60 µm;
2. Layer: GRAVIHEL BASECOAT 701 – 001 deep matt (50:50) in 3 layers (flash off time between layers – next layer can be applied only after the surface is completely matt, flash off time before Clear Coat application can be in 20 – 30 minut20°C.
3. Layer: GRAVIHEL 2:1 CLEARCOAT ANTI SCRATCH – 3 layers, flash-off between layers is 15 - 20 min./20°C, flash-off before drying in oven is minimum 30 min.

Measurement according to DIN 67 510 Part 1:2009

Typ of light source: Xenon Lamp, 1000 lux, 5 minutes

Measuring device: Photometer LMT Lichmesstechnik GmbH

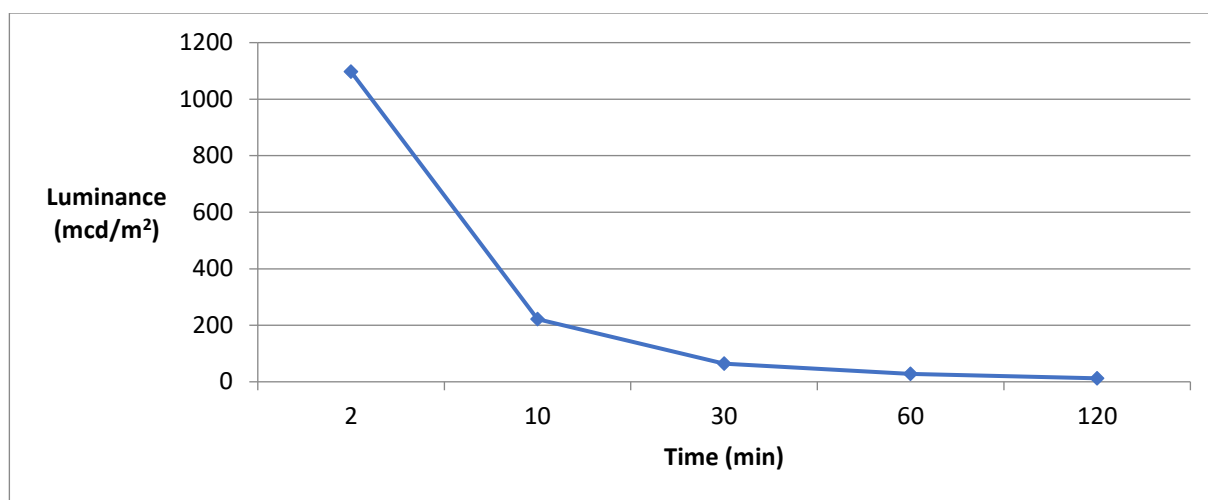
Pigment: binder ratio: 50:50



DIN 67510 requires charging the completely discharged sample of photoluminescent material with a xenon lamp, 1,000 lux illumination on the sample, for 5 minutes. Luminance, measured in mcd/m² (millicandela per square meter) is measured 2, 10, 30, 60 and 120 minutes after the charging lamp is turned off. Time to

discharge, measured in minutes, is the time required for the sample luminance to decrease to 0.32 mcd/m². For the dark adapted human eye, a luminance of 0.32 mcd/m² is 10 times the minimum luminance visible.

Test results:

Measured luminance after 5 minutes exposure at 1000 lux:



	Stir well:	
	Shelf life:	2 years

FOR PROFESSIONAL USE ONLY - See Safety Data Sheet

The data may vary under various conditions.,

Any part of this information may change at any time without notice.

The information was derived from years of experience in the collaboration of Development and Technical Services and is the property of HELIOS Refinish.

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