TECHNICAL DATA SHEET

CHRYSO®Lumin P+

Luminescent particles for decorative concrete



DESCRIPTION

The CHRYSO®Lumin product line is based on CHRYSO's LuminTech® patent pending technology. CHRYSO®Lumin P+ are luminescent particles.

CHRYSO®Lumin P+ particles have the property of absorbing UV light (natural or artificial) during the day, and emit some visible light in a dark or very low light environment. The particles' main component is a highly durable recycled polymer.

There are 2 CHRYSO®Lumin P+ product references:

- CHRYSO®Lumin P+ Jade >> Night color: Green Turquoise
- CHRYSO®Lumin P+ Agate >> Night color: Blue Turquoise

The day colours imitates perfectly natural aggregates, while the night colours will reveal your concrete's brilliance at night *.

BENEFITS

- CHRYSO®Lumin P+ particles beautify floors with a luminescent light in the dark, creating a pleasant environment and better visibility in the dark or dim light.
- It takes into account the users' visual comfort by demarking walkways (signage enhancement).
- It is durable and designed to be embedded in concrete (high pH environment).

FIELDS OF APPLICATION

- Exposed aggregates and polished concrete
- Garden paths and walkways
- Terraces
- Swimming pool surrounds
- Cycle paths and unlit roundabout

PACKAGING

- 2.5 kg bucket
- 12.5 kg bucket

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INDICATIVE INFORMATION

Product Nature	Nature: Synthetic particles
Color	According to colour chart
Specific gravity	1,400 ± 0,100

METHOD OF USE

- Available particle sizes (mm): 2-4 / 4-8 / 6-10
- CHRYSO®Lumin P+ particles are spreaded manually on freshly casted concrete (200 g/sgm to 450 g/sgm are advised).
- The particles must then be incorporated in the concrete top surface by troweling.
- A compatible surface retarder is applied afterwards on matt concrete (no more bleeding): Deco Lav P02 with 2/4 mm particles, Deco Lav P03 with 4/8 mm particles or Deco Lav P04 with 6/10 mm particles.
- After surface retarder removal, CHRYSO®Lumin P+ particles exposed will start "loading" immediately under ambient light.
- Always proceed with a trial before use.
- Follow the CHRYSO® Deco carefully Lav use recommendations.

Standard Tests conducted on particles:

- Very good light emission lasting performance (DIN 67510-1 and NFX 08 050-1)
- Good resistance to shock fragmentation (Los Angeles EN 1097-
- Good resistance to wear by reciprocal friction (Microdeval test: EN 1097-1)
- Good freeze thaw cycle resistance (EN 1367-1)
- Low abrasiveness and low grindability (NF P 18-579)
- Low flattening coefficient (NF EN 933-3)

Test reports are available upon request.

Implementation:

Before applying CHRYSO®Lumin P+, make sure that:

- The surface will be under direct UV light exposure during the day.
- There will be no light pollution during the night: remove any direct or indirect lighting.
- Follow exposed aggregate concrete placement and finishing best practices (contact CHRYSO for any additional information).
- It is highly recommended to carry out a preliminary test by placing the treated substrate under the usual conditions to ensure that the luminescence is satisfactory. Contact our technical service.
- Only use a compatible surface retarder: CHRYSO® Deco Lav P



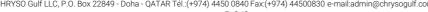
PRECAUTIONS

- Stir the product before use.
- Store in a temperate location.
- The particles are not compatible with solvent based products.

SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. www.chrysogulf.com CHRYSO Gulf LLC, P.O. Box 22849 - Doha - QATAR Tél.:(+974) 4450 0840 Fax:(+974) 44500830 e-mail:admin@chrysogulf.com





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Chryso **Decorative** Concrete

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