



STARDUSTCOLORS SAS

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Series : FINISHINGS

ROAD ACRYLIC PHOTOLUMINESCENT

Reference : PH1041

TECHNICAL DATA SHEET

Version : 21/09/2025 GP

TYPE OF PRODUCT AND APPLICATIONS

Photoluminescent waterbased acrylic paint for road signs, high quality for the city.
Fast curing, outdoor resistance and excellent durability thanks to the high percentage of acrylic resin in the formulation.

Second layer of the road photoluminescent system
To be applied on road white paint ST1041
Product delivered in 2 components (base and pigment)

CHARACTERISTICS

Density of the ready-to-use mixed product	UNE 48098 1.25 g/cm ³ ± 0.010
Color :	colorless - greenish
Nonvolatile :	UNE EN 12802 70% ± 5
Drying at 20°C :	touch : 1 hour
Bleed Resistance :	Overlay : 1h30-6h
pot life	-
Recommended application	2 thick coat
PHOTOLUMINESCENCE	Luminance classes according to ISO 17398
DIN 67510 standard	CLASS C (10 mins: 140* / 60 mins: 20*)
100µm dry	CLASS D (10 mins: 260* / 60 mins: 35*)
150µm dry	*Luminosity in mcd/m ²

YIELDS

In m²: 1 Liter = 1 sqm² - 2 sqm² *
Linear (width 10cm) : 1 Liter = 9 – 18m
* Coverage will vary depending on thickness and surface condition

APPLICATION SYSTEMS

Brush, spray gun (1,8 mm) ,
strip spray painting machine possible if stirring can be maintained

INSTRUCTIONS FOR USE

Homogenize the product well and incorporate the powder with the base mix by weight : 250g of powder for 1000g of base.

The product must be kept in dispersion with a continuous agitator system, to avoid the sedimentation of the pigments.

The application must be made "wet on wet" within a maximum interval of 30 min on the white undercoat "Road paint ST1041". Apply at a temperature between 5°C and 40°C. Attention by temperature above 25°C, the possible covering time on the white background is reduced, it is advisable to use a slow thinner and/or to bring the covering time closer in "wet on wet"

APPLICATION FIELDS

Horizontal marking paint with excellent adhesion on bituminous and painted pavements. Single-component solvent-based acrylic direct application on concrete slabs is possible, however all applications on a non-white background give less efficient luminance levels. This drop in performance can be compensated by a greater thickness of paint.

STORAGE AND PACKAGING

- Maximum period of stock : 12 months
- Packaging available : 30 kg bucket, 200 kg drum, 1,000 kg tank.

OBSERVATIONS

Regarding its use, follow the rules that appear on the label of the container and respect the ventilation and handling precautions indicated in the product safety data sheet, standardized by the legislation in force.

It should not be applied at temperatures below 5 °C or above 40 °C.