



## STARDUSTCOLORS SAS

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Series : FINISHINGS

# ROAD ACRYLIC PHOTOLUMINESCENT

Reference : PH1041

## TECHNICAL DATA SHEET

Version : 21/05/2022

### TYPE OF PRODUCT AND APPLICATIONS

Photoluminescent thermoplastic 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 1.30 g/cm <sup>3</sup> ± 0.010
Color :	colorless - greenish
Nonvolatile :	UNE EN 12802 70% ± 5
KREBS-STORMER Consistency :	UNE 48076 88 ± 10 KU
Drying at 20°C :	UNE 135202 10 minutes
Bleed Resistance :	UNE IN 1871 B < 0.05
Covering power :	Semi-transparent
Accelerated artificial aging :	A In 1871 (168 H.) Without modifications
Alkaline resistance	UNE EN 1871 Appropriate, without defects.
Pot life :	-

#### PHOTOLUMINESCENCE

DIN 67510 standard

100µm dry

150µm dry

Luminance classes according to ISO 17398

CLASS C ( 10 mins: 140\* / 60 mins: 20\* )

CLASS D (10 mins: 260\* / 60 mins: 35\*)

\*Luminosity in mcd/m<sup>2</sup>

### YIELDS

In m<sup>2</sup>: 1 Liter = 1.75 m<sup>2</sup> - 2.5 m<sup>2</sup> \*

Linear (width 10cm) : 1 Liter = 17.5m – 25m

\* Coverage will vary depending on thickness and surface condition

## APPLICATION SYSTEMS

roller, spray gun, strip spray painting machine

## INSTRUCTIONS FOR USE

Homogenize the product well and incorporate the powder with the base mix by weight : 330g 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

The product must be stored isolated from heat and electrical sources. No smoking in the storage area.

To avoid spills, once containers are opened, they should be carefully resealed and placed in an upright position.

- 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.