

## Technical Information

# Cataphos Acrylic - White

This paint complies with the European Standard EN 1871 and the Spanish Standard UNE 135200-2.

This paint allows construction of road marking systems<sup>1</sup> which comply with the requirements of the European Standard EN 1436.

(1: The paint and, if necessary, the drop-on glass beads and the anti-skid aggregate, according to the requested type and class of road marking).

### REQUIREMENTS

PROPERTY	TESTING METHOD	SPECIFICATION	CLASS
1. No-pick-up drying time	UNE 135202	$t \leq 30$ minutes	$t \leq 30$ minutes
2. Colour (chromaticity co-ordinates)	UNE 48073-2	Co-ordinates x, y within the region defined in UNE 135200-2 for the white colour	x, y within the region defined for white colour
3. Luminance Factor	UNE 48073-2	$\beta \geq 0,85$	LF7 $\beta = 0,89$
4. Hiding Power	UNE 135213	$r_c \geq 0,95$	HP4 $r_c \geq 0,95$
5. Bleed Resistance	UNE-EN 1871	Variation in $\beta \leq 0,05$	BR2
6. Full Package Stability	UNE 48083	Variation in consistency $\leq 5$ KU without skins or hard settlements	Variation in consistency $\leq 5$ KU without stability defects
4. Accelerated Ultraviolet Ageing	UNE-EN 1871 (UV-B)	Variation in $\beta \leq 0,05$ x, y within the region for its colour without superficial anomalies, or defects	UV1
5. Alkali Resistance (in case of direct application upon concrete)	UNE-EN 1871	Without deterioration of the surface	Without deterioration of surface

### CHARACTERISTICS FOR IDENTIFICATION

PROPERTY	TESTING METHOD	TOLERANCE	DECLARED VALUE
1. Viscosity Krebs-Stormer	UNE 48076	$\pm 10$ of the declared value	86 KU {76 – 96 KU}
2. Non Volatile Content	EN 12802	$\pm 2\%$ of the declared value	77,5% {75,95 – 96,05%}
3. Binder Content	EN 12802	$\pm 2\%$ of the declared value	$\pm 2\%$ of the declared value
1. Relative Density	EN-ISO 2811-1	$\pm 0,02\%$ of the declared value	$\rho = 1,71$ {1,69 – 1,73}
2. Luminance Factor	UNE 48073-2	$\pm 0,02$ of the declared value	$\beta = 0,89$ {0,87 – 0,91}
3. Hiding Power	UNE 135213	$\pm 0,01$ of the declared value	$r_c \geq 0,95$ {0,95 – 0,96}

The declared value for every property appears mentioned in the technical specification of the product. The values obtained by the laboratory of quality control for every batch are available in the corresponding certificate of analysis.

This technical information does not represent guarantee of the performance of the product once applied.

It is the responsibility of the user to confirm the suitability of this information for its particular purpose, as well as to test if the product is appropriate for its own use and process.

### **SCOPE OF USE**

- Asphalt or bitumen and concrete roads.
- Relining upon hot melt thermoplastics and alkyd and acrylic paints.
- New asphalt roads with limitations, for possible bleeding or staining.
- New concrete surfaces with precautions.

### **RETROREFLECTIVITY**

- Retroreflective road marking by dropping glass beads onto the paint film immediately after application.
- Use the suitable size gradation and type of glass beads, depending on the requirements of the road marking.

### **APPLICATION**

- Spraying by air-guns or airless guns
- Road marking machine capable of applying and controlling automatically dosage and homogeneity (in accordance with UNE 135277-1)
- Recommended Settings for Line Lazer Application
  - 100mm Line is obtained using LL5319 tip @ 75 bar pressure

### **CONDITIONS**

- Dry and clean surface, ensure temperature is neither below 5°C nor above 40°C
- Ambient temperature exceeding dew point at least 5°C. Wind speed below 25 km/h.
- Material perfectly homogenized: stir the paint in the pail thoroughly before using.

### **PRESERVATION**

- Check and re-homogenize, if necessary, in periods of six months from the manufacturing date. Use preferably within one year from the manufacturing or re-homogenization date
- Protect from storage in the open, with extreme change of temperature

### **LIMITATIONS**

- Protect the road markings from traffic until paint is fully dry.
- In case of direct application upon asphalt roads, make a temporary road marking to reduce the possible bleeding or staining caused by the recent bitumen.

### **DOSAGE**

- Use the amount of paint and glass beads required in the contract or specifications sheet
- An adequate film thickness is obtained by a dosage of 720 g/m<sup>2</sup> of paint
- Dosages above 900 g/m<sup>2</sup> of paint in only one layer can delay the drying time
- An adequate retroreflectivity is obtained with a dosage from 350g/m<sup>2</sup> of glass beads.

### **PRECAUTIONS**

- In case of relining, ensure pre-existing road marking is securely adhered to the surface.
- In case of application upon new concrete surfaces, remove the possible remainder of the curing agents, because they can damage the adhesion of the road marking on the surface.
- **Dangerous goods for transport**
  - Land Trans: UN 1263 PAINT, 3, III (D/E)
  - Sea Trans: N° UNO 1263 PAINT, 3, III (flash point <23°C)
  - TARIC code 3208.20.90