

## TECHNICAL DATA SHEET

PRODUCT: Cold Plastic Paint. Manual application.

### 1.- Scope of Use:

Its scope of application is the production of large-area signals such as pedestrian crossings, arrows, etc. that will directly suffer from traffic wear on bituminous and concrete pavements in urban roads, repainted on alkyl paints, cold acrylic plastic and hot thermoplastics.

### 2.- Technical Data:

PROPERTY	TESTING METHOD	SPECIFICATION	DECLARED VALUE
Viscosity Krebs-Stormer	UNE-EN 12802	$\pm 10$ UK of declared value	130-150 UK
Relative Density	UNE-EN 12802	$\pm 2\%$ of the declared value	2,05
Colour	UNE-EN 1871	Coordinates x, y within the región defined in UNE-EN 1436 for the White color	x, y within the region
Luminance factor	UNE-EN 1871	$\beta \geq 0,80$	$\beta \geq 0,80$
No-pick-up drying time	UNE 135202	$\leq 30$ minutes	$\leq 30$ minutes
Accelerated artificial ageing	UNE-EN 1871	Variation in $\beta \leq 0,05$ x, y within the region of color, without anomalies or superficial defect.	Variation of $\beta \leq 0,05$ x, y within the region UV1
Alkali Resistance	UNE-EN 1871	Without defects of damages on the surface	Without defects of damages on the surface

### 3.- Retroreflectivity

Retroreflective road marking by using glass beads on the paint film immediately after application.

It is possible the incorporation by post-blended of non-skid aggregates, especially cristobalite or glass bead to improve the non-skid character of the road marking.

To use the suitable degree and type glass beads according to the requirements of the road marking to be manufactured.

### 4.- Application, Scope of Use. Dilution.

Add one bag of catalyst to 30% of 250 gr. for every 15 kg. pail of paint, the variation of this proportion according to weather conditions should be carefully done, because the lack of peroxide or the incorrect blending, leads to defects in the drying of the road marking and hence to a premature soiling.

#### Scope of Use:

- a) Define the area with tape within the area to be applied.
- b) Shake the product by mechanical means for 30 seconds.
- c) Add the indicated proportion of catalyst.
- d) Stir the mixture for 1 minute.
- e) Pour the product as soon as possible on the defined area and spread with trowel or screed box.
- f) As the product it's applied, add the necessary post-blending materials (glass beads, cristobalite ...)
- g) Remove the boundary tape as soon as possible.

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Do not ever dilute the product with any kind of solvent or thinner.  
Perfectly stir the content of the pail before using it. .  
It is necessary to protect the fresh road marking until the paint fully dries.  
The estimated yield is 1.5 to 2.5 kg / m<sup>2</sup>.

## 5.- Precautions and limitations

A preparation of the surface before painting is recommended in case there is water or moisture, loose dust, grease or concrete remains. In case of application upon new concrete pavements, remove the possible remainder of the curing agents, because they can damage the adhesion of the road marking on the pavement.

The application should be done between 5°C and 40°C, outside these limits, the application and proper drying are hampered.

Ambient temperature exceeding dew point at least 5°C.

Wind speed below 25 km/h.

## 6.- Equipment cleaning

The material cleaning must take place immediately after its use with toluene, acetone or universal thinner

## 7.- Glass Beads Dosage

Use the amount of paint and glass beads required in the contract or specifications sheet.  
Standard Dosage: 2,500 g/m<sup>2</sup> of paint and from 380 to 500 g/m<sup>2</sup> of glass beads.

## 8.- Durability and normative

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

This paint allows to construct road marking systems which comply with the requirements of the European standard **EN 1436**, once is applies with the right dosage of glass beads and antiskid aggregates

Applied along with glass beads type "Echostar 5" the System has a durability estimated over 4.000.000 wheel passages as estimated in the Normative EN 13197.

## 9.- Preservation

Storage the product in the original pails, protected from the extreme conditions.

Protect the product from direct sunlight and heat sources.

This product is affected by the legislation IT MIE APQ-1 about storage of flammable liquids. Classified as flammable liquid type B1.

Use the paint preferably before 6 months from its production date.

Read carefully the safety data sheet.

## 10.- Presentation

Homologated 18 kg. Pallets of 54 pails y 972 kg.

It can be supplied in white, yellow, black, red and green.