

WISEVER Fabricación S.L.

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TECHNICAL DATA SHEET

PRODUCT: Acrylic road marking paint

1.- Scope of use:

Its application field is road marking over concrete and bitumen pavements, in roadways, relining upon alkyd, acrylic, cold plastic or hot melt paints is possible.

New concrete pavements with precautions

2.- Technical data:

PROPERTY	TEST METHOD	SPECIFICATION	DECLARED VALUE
Viscosity Krebs-Stormer	UNE-EN 12802	75-95 KU	75-95 KU
Specific gravity	UNE-EN 12802	± 2% from declared value	1,57
Solid content	UNE-EN 12802	± 2% from declared value	74%
Colour (chromaticity coordinates)	UNE-EN 1871	coordinates x, y within the region defined in UNE-EN 1436 for white colour	x, y inside white region
Luminance factor	UNE-EN 1871	$\beta \geq 0,85$	$\beta \geq 0,85$ LF7
Hiding power	UNE-EN 1871	$R_c \geq 0,95$	$R_c \geq 0,95$ HP4
No pick-up Drying time	UNE 135202	≤ 30 minutes	≤ 30 minutes
Bleed resistance	UNE-EN 1871	variation in $\beta \leq 0,05$	β variation ≤ 0,05 BR2
Paint stability	UNE 48083	variation in viscosity ≤ 5 KU without skin, or hard settlements	variation in viscosity ≤ 5 KU without skin, or hard settlements
Accelerated ultraviolet ageing	UNE-EN 1871	variation in $\beta \leq 0,05$ x, y within its colour region, without superficial anomalies or defects	variation in $\beta \leq 0,05$ x, y within its colour region
Alkali resistance	UNE-EN 1871	Without deterioration of the surface	Without deterioration of the surface

3. Retrorreflectivity

Retroreflective road marking by dropping glass beads onto the paint film immediately after applied.

Use the suitable type and coating of glass beads, depending on the requirements of the road marking.

4.- Application, Dilution

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).

If dilution is necessary, use up to a 3% of toluene in relation to paint.

Material perfectly homogenized: stir thoroughly the paint in the pail before using.

It' s necessary to protect the road markings from traffic until drying in the inside of paint

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5.- Precaution and limitations

Over new bitumen pavements recently built, it's recommended to apply a medium dosage first layer of paint, and to proceed in two weeks to a new application of the right dosage.

In case of relining, make sure of the good adhesion on the pavement of the pre-existing road marking.

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.

This product it's not adequate for the direct marking of extremely smooth concrete areas, in this case is necessary the use of a primer

The application must be carried out in temperatures between 5 and 40 °C out of these limits there might be problems in the paint drying

The pavement temperature must be at least 5°C over the dew point.

The wind speed must be lower than 25 km/h.

6.- Equipment cleaning

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

7.-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/m² of paint.

Dosages above 900 g/m² of paint in only one layer might delay the drying time.

An adequate retroreflectivity is obtained with a dosage from 350 g/m² 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 in affected by the legislation about Storage of flammable liquids

Use the paint within one year from its manufacturing date

Read the safety data sheet

10.- Presentation

Homologated 30 Kgs pails in pallets of 36 pails and 1080 kilos

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

VISEVER, SA reserves the right to update and modify any specific technical data according to the legislation in force. This information, prescriptions and use given, are based in Visever's knowledge about its products in normal situations and using them correctly. The user must verify the suitability of the product according to the use intentions, the surface and the real conditions of the appliance place.