

# WISEVER Fabricación S.L.

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## PRODUCT TECHNICAL INFORMATION

### White Thermoplastic Paint (VISPRAY)

#### 1.- Uses:

VISPRAY is designed for line marking on bitumen pavements. Specially recommended for its use in highways, roads and urban ways. Long durability and fast dry.

#### 2.- Technical Data Sheet:

PROPERTY	TESTING METHOD	SPECIFICATION	CLASS
Binder Content	UNE-EN 12802	± 2% of declared value	Provided by supplier
Colour	UNE-EN 1871	co-ordinates x, y within the region defined in UNE-EN 1436 for White colour	x, y within the region defined for White colour
Luminance Factor	UNE-EN 1871	$\beta \geq 0,80$	0,82 LF6
Softening Point (Ring and ball method)	UNE-EN 1871	$\geq 95^{\circ} \text{C}$	SP3 $\geq 100^{\circ}\text{C}$
Flow Resistance	UNE 135223	Declining Height $\leq 5\%$	Declining Height $\leq 5\%$
Heat Stability	UNE-EN 1871	Variation in $\beta \leq 0,05$	Consistent variation $\leq 5$ UK with no stability defects
Accelerated ultraviolet ageing	UNE-EN 1871	variation in $\beta \leq 0.05$ x, y within the region defined for White colour without superficial anomalies, or defects	UV1 $\Delta \beta \leq 0.05$ x, y: region defined for White colour without superficial deterioration

#### 3.- Reflectorization

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

Use the suitable size gradation and type of glass beads, depending on the requirements of the road marking. Glass beads must be 50 to 60% paint embedded to guarantee a suitable durability and night visibility. The product has a 30% Premix glass beads content.

#### 4.- Application

Air-gun spraying. Hot application after melting the material among 180 and 200 °C: lower temperatures can affect the adhesion. Road marking machine capable of applying and controlling automatically dosage and homogeneity (in accordance with UNE 135277-1).

#### 5.- Cautions and limitations

Do not heat the material above 220 ° C (safety temperature). Keep the heated material constantly stirred, and use it within six hours. Do not overheat the material and do not subject it to more than four cycles of heating and cooling.

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It is recommended to prepare the surface before the paint application in case there may exist water, wet, dust or other wastes that may affect to paint adherence. This product is not suitable for a direct application on concrete surfaces, in such case, a prior primer application is needed. Outside temperature exceeding dew point at least 5 °C. Wind speed below 25 km/h. In case of relining, make sure of the good adhesion of the pre-existing road marking on the pavement.

## 6.- Equipment cleaning and maintenance

The application equipment cleaning must be done while the product is still hot. Small wastes could be cleaning with solvents.

## 7.- Dosage

Use the amount of material and glass beads required in the contract or specifications sheet. An adequate film thickness is obtained by a dosage among 2500 and 3000 g/m<sup>2</sup> of thermoplastic although at first application on high drainage pavements, a second application may be needed as stated in PG3.

An adequate retroreflectivity is obtained with a dosage from 380 to 500 g/m<sup>2</sup> of glass beads.

## 8.- Durability and Application Standards

This product complies with Spanish and European Standards **UNE 135200/2 y UNE- EN 1871** referred to Road Marking Applications.

This product complies with the specifications required on European Standard **UNE-EN 1436** applied with glass beads or anti-skid products in suitable dosage.

The durability of this product has been assessed according to UNE EN 13197 y UNE 135200-3 Standards, obtaining the following results:

Thermoplastic Spray 3000 g/m <sup>2</sup> + glass beads 3FH 5 500 g/ m <sup>2</sup>				
Road Marking type I			Use P-R (permanent-reflective-dry weather visibility)	
CERTIFICATE	DURABILITY LEVEL	Dry Weather Night Visibility	Day Visibility	Skid Resistance
2042/PR-I AETEC	P7 /4MM TYRE CROSSES	R5 (≥ 300)	B5 ( ≥0,60), Q5≥ ( 200)	S1 (≥ 45)

## 9.- Storage

This product must be kept in the original packaging, enclosed and protected from extreme weather conditions. Read carefully the Security Data Sheet.

Use this product before 1 year from its production date.

## 10.- Presentation

- 22 kg. bags. Pallets of 1056 kg.

- 528 kg big bags. Pallets of 1056 kg.

## 11.- Transport

It is not a dangerous good for transport. Packed in pallets (120cm x 100cm)

WISEVER, SA reserves the right to update and/or modify the data shown in the Technical Data Sheet according to current law. The information, uses and recommendations are based on WISEVER, S.L. product knowledge on right product application and in normal conditions. It is the final user responsibility to check the product suitability according to the purpose of its application based on real conditions of the place where it will be applied.