



# ZENON

## Thermoplastic White & Yellow Road & Urban

### COMPLIANCE



**EN 1436 & EN 1824**

### SUSTAINABLE DEVELOPMENT



Life Cycle Analysis (LCA) to standard ISO 14044 available.  
Product available in thermofusible bag: zero waste.  
Binder, 100% vegetal resin.

### APPLICATOR



High performances thermoplastic spray.  
Long lasting retro-reflectivity with 40% premix glass beads.  
Fast melting and low heating temperature.  
Fast drying time all conditions for immediate runnability.



Site de Production

## RECOMMENDED APPLICATION

Use	Highway & Road	Urban	Special & Symbol
ZENON	✓	✓	✓

## TECHNICAL DATA

Tropicalized thermospray.  
Binder 100% vegetal resin.  
Premix Beads 40%.  
Density 2.03 kg/l.  
Dry extract 100%.  
Drying time 1 min approx.

## CONDITIONS OF APPLICATION

Application temperature 190°C.  
Recommended doses 2 to 2.5 kg/m<sup>2</sup>.  
Over any dry and clean new asphalt, Use a primer over old markings.  
Maximum humidity: 80%.  
Surface temperature: 5°C < T < 45°C.

## PACKAGING & STORAGE

Packaging: 15 kg meltable polyethylene bags.  
Pallet: 1200 kg (80 bags).  
Storage & Transport: Dry, frost free place.  
Shelf Life: 36 months in unopened packaging from manufacturing date.

## SAFETY & ENVIRONMENT

Product for professional use only.  
Soiled packaging and cleaning products should be discarded according to local regulation.  
Refer to the Safety Datasheet (MSDS) on [sar.fr](http://sar.fr).

## Contact our Commercial Service

[customerservice@sar.fr](mailto:customerservice@sar.fr)



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## TECHNICAL RECOMMENDATION

<b>Product :</b>	Thermoplastic, ready to use .
<b>Homologation :</b>	Road marking product compliant to EN 1436 & EN 1824.
<b>Usage :</b>	Linear works on highways, roads and urban areas.
<b>Drying :</b>	Drying by cooling according to weather conditions.
<b>Temperature :</b>	5°C < T < 45°C.
<b>Humidity :</b>	< 80%.
<b>Drying Time :</b>	1 to 2 minutes according to weather conditions.
<b>Paint Application :</b>	Spray application with self-propelled machine.
<b>Beads Application :</b>	Mechanical application with beads dispenser.
<b>Cleaning :</b>	Cleaning binder for thermoplastic. Prohibited solvent.
<b>Support :</b>	Over any dry and clean new asphalt.
<b>Old Markings :</b>	Review adhesion and compatibility between products. Primer can be recommended.

## EQUIPMENT

- Spray :** Self-powered machine for linear applications or pneumatic application.
- Boiler :** Boiler capacity of 150L to 250L.
- Beads :** Automatic and pressurized beads dispenser.

## TYPE OF WORKS

**New :** According to the opening of the asphalt, it is necessary to adjust the dosage. If the asphalt has less than 15 days (presence of oils and wax on the surface), wait before application to avoid the influence of light fractions bitumen that may stain or interfere with the adhesion of the marking.

**Maintenance :** Adapt the dosage and review the adhesion with the old marking.

1 to 2 years: reapplication without problem.

2 to 3 years: reapplication subject to inspection of the old layer.

4 to 5 years: reapplication possible with the use of primer.

> 5 years old: impossible reapplication and mandatory removal of old markings.

## USE RECOMMENDATIONS

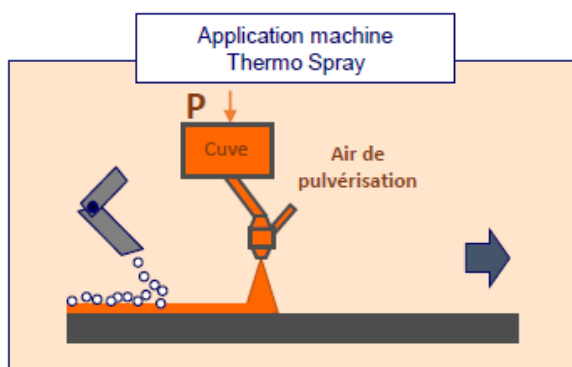
Before use, the product must be heated between 160 and 180°C until a perfect homogeneity is achieved.

The product must be kept warm in the tank as well as in the supply pipes and in the application machine.

## EQUIPMENT PREPARATION

The product must be heated in the boiler before transfer to the application machine.  
 Turn on the boiler and drop the product with its bag through the boiler trapdoor.  
 Melt the product at a temperature of <math><180^{\circ}\text{C}</math> without overheating it.  
 Feed the boiler progressively until a perfect homogeneity of the product is achieved.  
 Transfer the product through the outlet valve between the boiler and the machine.  
 Reheat the walls of the outlet valve with a blowtorch to maintain the melting temperature (if necessary).  
 Maintain the tank of the machine at a temperature of 160 to 180°C before application.  
 The width of the nozzle and the height of the gun will determine the width of the line.  
 Make an application test and, if necessary, adjust the thickness of the applied product by increasing or decreasing the hatch opening as recommended by the manufacturer of the application machine.  
 The machine is ready for use.

## RECOMMENDED DOSAGE



Dosage	Dosage ZENON kg/m <sup>2</sup>	Dosage DROP-ON g/m <sup>2</sup>
ZENON	2 to 2.5	315

## ENVIRONMENT & SECURITY

Regulation on the transport of dangerous goods : Product exempted from regulations on hazardous materials (ADR).  
 Obligation to be handled with the usual precautions when melting: gloves, work clothes, goggles, especially in case of splashing.  
 Consult the Material Safety Data Sheet (MSDS) on [sar.fr](http://sar.fr)



Consult our implementation guidance and FDS on  
[www.sar.fr](http://www.sar.fr)