



FUSION

Thermoplastic White Road & Urban

COMPLIANCE



1RH161S2

Anti-skid

P5 Q2 R3 S2

SUSTAINABLE DEVELOPMENT



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

APPLICATOR



High durability (P5) for an optimized cost of use.
Versatility of the uses.
Easy to apply.
Low consumption product.



Site de Production

RECOMMENDED APPLICATION

Field of use	Road & Highway	Urban	Special & Symbol	P6 2 000 000 wheel passages	Retroreflection RI \geq R4	Daytime Visibility Qd \geq Q3	SRT S \geq 0.55
FUSION Nocto 1RH1161S2	✓	✓	✓	✓		✓	

TECHNICAL DATA

Alkyd thermoplastic.
 Binder : wood-derived resins.
 Pigment Titanium dioxyde.
 Density : 2 kg/l.
 Beads ring : 92,1°C
 Drying time : 1 min approx.

CONDITIONS OF APPLICATION

Thermoplastic extruded application.
 Recommended doses : 1900 g/m².
 Fast melting and low heating temperature (160 - 180°C).
 Maximum humidity : 80%.
 Surface temperature : 5°C < T < 40°C.
 Cleaning with a cleaning binder for thermoplastic.

PACKAGING & STORAGE

Packaging: 15 kg heat sealed meltable polyethylene bags. Bag is part of the formula. No dilution.
 Storage and transport : Product sensitive to humidity. Store in a dry place.
 Shelf life : 24 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.

Contact our Commercial Service

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TECHNICAL RECOMMENDATION

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

EQUIPMENT

- Screed box :** Extrusion or screed box with automatic machine or manual screed box.
Screed box from 10 to 50 cm wide.
- 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 RECOMMANDATIONS

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

Keep the hatch closed to avoid the risk of splashing.

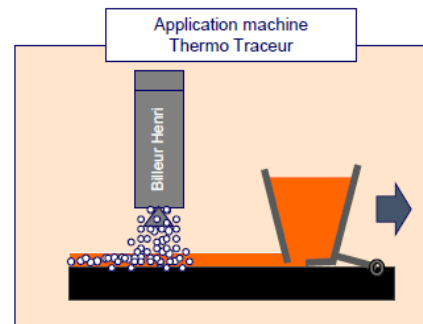
The product must be kept warm in the tank as well as in the supply pipes and in the application machine.

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, otherwise yellowing of the product.
 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 screed box 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

PRODUCT	Dosage FUSION g/m^2	Dosage Drop-on g/m^2
FUSION	1900	390



ENVIRONMENT & SECURITY

Regulation on the transport of dangerous goods : Product exempted from regulations on hazardous material (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

For additionnal information

sar.fr

