



SMITSOLUX 2013

Thermoplastic White
Road & Urban

COMPLIANCE



2013-1DH-09-08
2013-1DH-09-07
2013-1DH-10-10

SMITSOLUX 2013 TYP II
SMITSOLUX 2013 TYP II
SMITSOLUX 2013 AGGLO

P7 Q5 R5 RW4 S1
P7 Q5 R5 RW4 S1
P7 Q4 R5 RW6 S2

SUSTAINABLE DEVELOPMENT



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

APPLICATOR



High durability (P7) for an optimized cost of use.
Ultra-adhering on difficult supports.
Versatility of the uses.
Low consumption product.



FABRICATION
FRANÇAISE



Site de Production

RECOMMENDED APPLICATION

Field of Use	Road & Highway	Urban	Special Works & Symbols	P7 4 000 000 PR	Retroreflection $R \geq R4$	Retroreflection by wet weather $RW \geq RW4$	Whiteness $\geq Q4$	Skid resistance SRT $\geq 0,55$
SMITSOLUX 2013 TYP II 2013-1DH-09-08	✓	✓	✓	✓	✓	✓	✓	
SMITSOLUX 2013 TYP II 2013-1DH-09-07	✓	✓	✓	✓	✓	✓	✓	
SMITSOLUX 2013 AGGLO 2013-1DH-10-10	✓	✓	✓	✓	✓	✓	✓	

TECHNICAL DATA

Thermoplastic.
100% vegetal colophane resin.
Pigment Titanium dioxide.
Density : 1.93 to 2.13 kg/l.
Beads ring : 86°C
Drying time : 1 min approx.

CONDITIONS OF APPLICATION

Thermoplastic screed, extruded or agglomerate application.
Recommended doses : 6000 g/m².
Over any dry and clean new asphalt.
Maximum humidity : 80%.
Surface temperature : 10°C < T < 40°C.
Cleaning with "Liant de nettoyage".

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

customerservice@sar.fr



103-105, rue des Trois Fontanot
92022 Nanterre CEDEX - France
T/ +33 1 41 20 31 10



TECHNICAL RECOMMENDATION

Product :	Thermoplastic, ready to use .
Homologation :	Road marking product compliant to EN 1436 & EN 13 197.
Usage :	Linear works on highways, roads and urban areas.
Drying :	Drying by cooling according to weather conditions.
Temperature :	10°C < T < 45°C.
Humidity :	< 80%.
Drying Time :	1 to 2 minutes according to weather conditions.
Product Application :	Screed, extruded or agglomerate application with self-propelled machine.
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

Thermo Machine : Self-powered machine for linear applications.

Boiler : Boiler capacity of 150 kg to 1000 kg.

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 200 and 210°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.

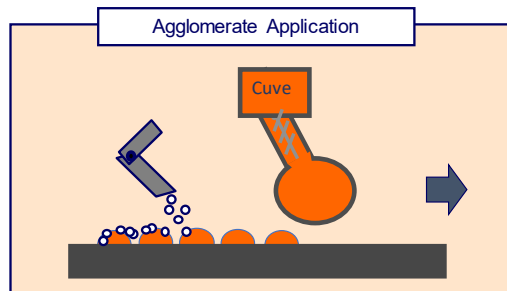
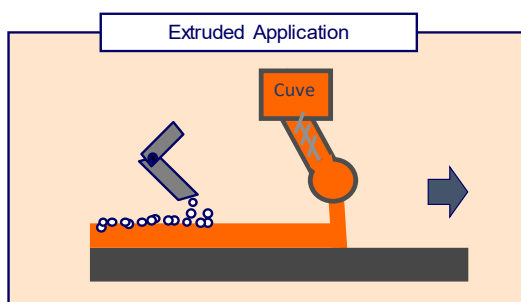
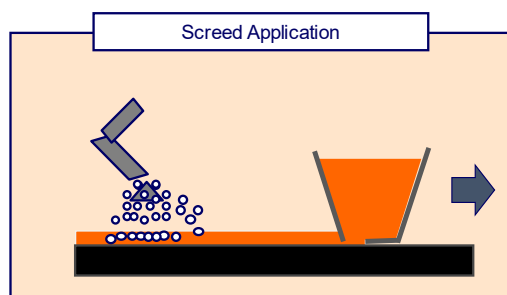
On a cold asphalt (5 - 10°C), the product must be heated in the boiler between 210 - 230 ° C to have a temperature product at 190 - 200 °C on the road for an optimum adhesion.

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><230^{\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 200 to 210°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

PRODUCT	Dosage Product g/m ²	Dosage Drop-on g/m ²
SMITSOLUX 2013 TYP II	6000	315
SMITSOLUX 2013 AGGLO	3700	400



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

For additional information

sar.fr

