

Quality

Our Laboratory performs systematic controls on the quality for each output. A certificate of analysis is delivered for every production



Bus Lane Chartres (France)



Ring Bern (Switzerland)



Sidewalk Roma (Italy)

Packing

Selenizza® is packaged in different forms, such as, pellets, or powder, treated with an anti-caking agent.

The product is delivered in big bags, or in thermal fusible polyethylene bags or paper bags.

Tailor-made weighted bags could be manufactured for packaging, on customer request, depending on the total order amount

Reference work sites

Port container terminals and logistic platforms:

Martinique Island FWI (France)
Le Havre (France)
Dunkerque (France)
St Nazaire (France)
Lyon (France)

Motorways

A150 Barentin (France)
A8 Olimpia Odos (Greece)
Ring Bern (Switzerland)
E35 Bellinzona (Switzerland)
A16 Delsbergs (Suisse)
Tepelene - Fier (Albania)

Cities

Sidewalk Roma (Italy)
Mastic asphalt - Milano (Italy)
Mastic asphalt - Lugano (Switzerland)
Bus lane Chartres (France)
Bus Parking Toulouse (France)
Tramway Dijon (France)

National road roundabout

Brive La Gaillarde (France)
Moulins (France)
Lyon Area (France)
Kiev (Ukraine)
N9 SION (Switzerland)
RN1 Mbéré-Ngaoundéré (Cameroon)

...and several other specific applications on request as insulation, moulding, drilling fluids, etc

Transport

We offer the possibility to deliver the product to the final customer by truck, container, bulk cargo, etc.



Ongoing work in Ukraine (south of Kiev)



Bridge Valle Verzasca (Switzerland)



Port Le Havre (France)



SELENIZZA

Selenizza SLN®

THE PERFECT ADDITIVE TO IMPROVE YOUR ASPHALT MIXES



SELENIZZA®
NATURAL BITUMEN

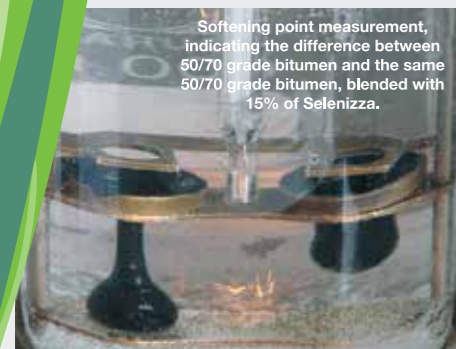
Since 2001, Selenice Bitumi Sha extracts, treats, manufactures and distributes a natural asphaltite. Selenizza SLN is an additive used among others, for manufacturing high performance bituminous materials. This additive only undergoes a hot purifying process and remains totally natural with outstanding low PAH levels

SALES REPRESENTATIVE

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 Selenice Bitumi Sha, 100% subsidiary of a French group.



SPECIFICATIONS

According to EN 13108-4, annex B, table B.2
According to EN 12970, Item 4.1.3., Table B2

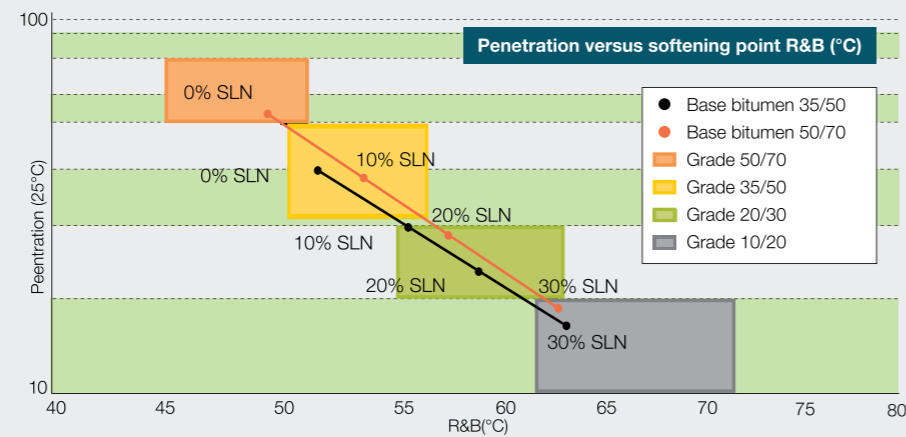
Penetration @ 25°C (1/10 mm)	EN 1426	0 - 1
Softening point (R&B °C)	EN 1427	115 - 120
Solubility in (wt %)	EN 12592	83 - 85
Acidity Index (mg KOH/g)	EN 14104	3.5
Density @25°C (g/ml)	EN ISO 3838	1,16 - 1,25
Asphaltene content (wt %)	ASTM D2007-11	> 50
Mass loss @ 163°C, 5 hours (%)	EN 13303	0.08

By using Selenizza, you will significantly reduce the CO₂ emission.

Selenizza is compatible with all bitumen and its asphaltene content, which is superior to 50%, confers to the asphalt mixes exceptional rheological and mechanical properties.

It may be blended directly with the hot bitumen in tanks, but usually, it is added during the asphalt mixing process in the mixer for the batch plants, or in the recycling ring for the continuous asphalt mixing plants.

TOTAL BINDER MODIFICATION



The addition of Selenizza SLN deeply modifies the rheology of the original binder.

Depending on the added quantity of Selenizza, and on the base bitumen as well, it is possible to obtain precise penetration and/or R&B softening point values of the resulting binder.

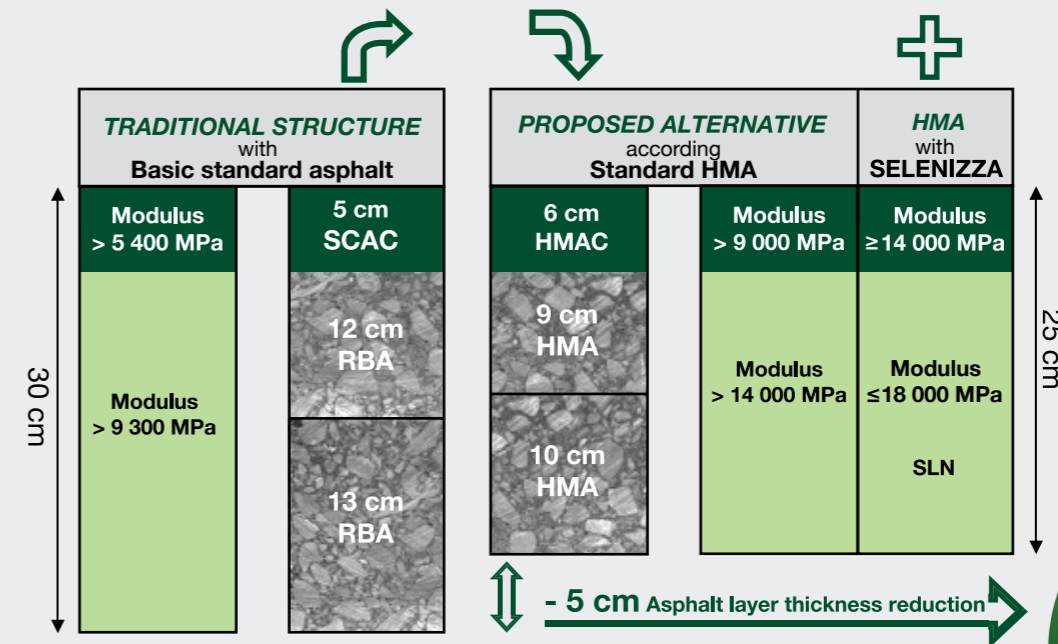
The important rate of asphaltenes composing Selenizza, will contribute to harden the base binder, without significantly modifying the elastic properties of the reconstituted binder.

Selenizza is entirely and homogeneously mixed in the base bitumen. Its acidity index, enhances the adherence of mix asphalt constituents. The resulting high performance asphalt mixes thus obtained are homogenous and perform better workability.

The increasing of the modulus of rigidity and the resistance to the permanent deformation, by adding Selenizza in the bitumen binder, enhances the rutting resistance and achieves higher lifetime of the pavements.

MONEY SAVING BY USING SELENIZZA®

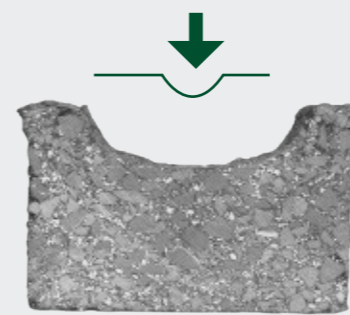
IMPROVING CHARACTERISTICS TO OBTAIN THICKNESS REDUCTION OF THE PAVEMENT LAYERS



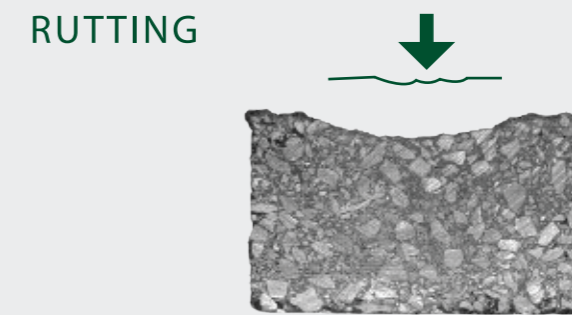
Economize asphalt mixture up to **-17%**

IMPROVING THE RESISTANCE TO TRAFFIC CONSTRAINTS
Without fear of low - temperature cracking for your asphalt mixes

SELENIZZA THE RIGHT SOLUTION



Without the use of SELENIZZA® after 30 000 cycles



Using only **0,8%** of SELENIZZA® after 30 000 cycles



Without SELENIZZA



With SELENIZZA

* SCAC - Semi-Coarse Asphaltic Concrete

RBA - Road Base Asphalt

HMAC - High Modulus Asphalt Concrete