



TECHNICAL DATA SHEET AND USER GUIDE

ITERLENE SL/100-PLUS

SILANE-BASED ANTI-STRIPPING AGENT

GENERAL INFORMATION AND BENEFITS

- ITERLENE SL/100-PLUS promotes the bond between bitumen and aggregates, enhancing their adhesiveness under any condition of application, and it allows the bituminous binder to better wet and cover the aggregate, improving the workability during the production cycle.
- The product is not dangerous according to current provisions of the Code of International Carriage of Dangerous Goods.
- The use of anti-stripping agents extends the service life of the road pavement.

DOSAGE

Generally 0.05 - 0.15% on the weight of bitumen*, depending on the lithological nature of the stone aggregate and on the operating conditions (temperatures, type of mixture to be produced, etc.).

* It is always advisable to determine the optimal dosage through laboratory tests, as it may differ from the indicated ranges.

COMPOSITION

Mixture of siloxane derivatives.

PROPERTIES

| | |
|-------------------|-----------------------------|
| Aspect | liquid |
| Colour | colourless - yellow |
| Density at 25°C | 1.0 - 1.1 g/cm ³ |
| Viscosity at 25°C | 15 - 25 cP |
| Flash point | ≥ 120°C |
| Pour point | ≤ -5°C |

PACKAGING AND STORAGE

Drums or IBCs.

Store in the original packaging, away from heat sources and sheltered from adverse weather and UV rays.

REV 00-19

The above information is based on our current knowledge and experience. Under no circumstances are any warranties expressed or implied. We assume no liabilities as proper use of our products is beyond our control. For safety precautions, please see the product's MSDS.



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GUIDELINES FOR LABORATORY USE

GENERAL INFORMATION AND WARNINGS

- It is recommended to keep the temperature at 150 - 160°C during all the mixing phases.
- Before compaction with a gyratory or Marshall compactor, the sample should be conditioned in the oven at the appropriate temperature for about 2 hours.

USE

1. Use the particle size distribution related to the pavement to construct.
2. Heat the aggregates and introduce them in the laboratory mixer.
3. Introduce the set amount of ITERLENE SL/100-PLUS into the binder and blend for a few seconds until the additive is completely dispersed.
4. Introduce the set amount of binder and blend for at least 40 - 50 seconds until the aggregates are completely covered.
5. Introduce the filler at the same temperature of the aggregates and blend until it is completely incorporated in the mixture.
6. Blend the mixture for additional 5 minutes.

GUIDELINES FOR PLANT USE

GENERAL INFORMATION AND WARNINGS

- It is recommended to dose the product directly in the bitumen weighing system using a metering pump.
- Each time the nature of the antistripping agent is changed, it is advised to carefully clean the dosing pump with ITEROIL BG in order to avoid gelling phenomena.
- It is recommended to keep the temperature at 150 - 160°C* during all the mixing phases.
- After production, the mixture should be laid and rolled at the optimum compaction temperature.

* The indicated temperatures may vary depending on the type of bitumen used and on the atmospheric conditions during the laying.

USE

1. Use the particle size distribution related to the pavement to construct.
2. Heat the aggregates and introduce them in the mixer.
3. Introduce the amount of ITERLENE SL/100-PLUS defined by prequalification into the binder.
4. Introduce the amount of binder defined by prequalification and blend until the aggregates are completely covered.
5. Introduce the filler and blend until it is completely incorporated in the mixture.

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