



TECHNICAL DATA SHEET AND USER GUIDE

ITERLENE PE-31/F LC

PHOSPHORIC-BASED ANTI-STRIPPING AGENT

GENERAL INFORMATION AND BENEFITS

- ITERLENE PE-31/F LC 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 use of anti-stripping agents extends the service life of the road pavement.
- ITERLENE PE-31/F LC is thermostable in the bitumen.

DOSAGE

Generally 0.2 - 0.5% 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 phosphoric acids derivatives.

PROPERTIES

Aspect	liquid
Colour	red - dark brown
Density at 25°C	0.85 - 0.95 g/cm ³
Viscosity at 25°C	250 - 350 cP
Flash point	≥ 150°C
Pour point	≤ -5°C

PHYSICAL PROPERTIES

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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Cap Soc. € 1.000.000,00 i.v. | P.I.00226570166 | R.E.A. N°128486 Codice Fiscale e Numero d'iscrizione del Registro delle Imprese di Bergamo 00226570166

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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 PE-31/F LC 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 PE-31/F LC 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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