



TECHNICAL DATA SHEET AND USER GUIDE

ITERLOW RS

ADDITIVE FOR WARM MIX ASPHALT (WMA) WITH RA

GENERAL INFORMATION AND BENEFITS

- ITERLOW RS allows to lower the production, laying and compaction temperatures of the asphalt concrete (WMA - Warm Mix Asphalt). At the same time it provides a significant contribution as an anti-stripping agent.
- The product is specific for the use with high percentages of Reclaimed Asphalt (RA).
- The production at low temperatures allows significant energy savings and a considerable reduction of the atmospheric emissions.
- Furthermore, ITERLOW RS is suitable for hot production at low environmental temperatures (even below 5°C) and for long-distance transports.

DOSAGE

Generally 0.08 - 0.13% on the weight of RA*, depending 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 amino derivatives and specific additives.

PROPERTIES

Aspect	liquid
Colour	yellow - dark brown
Density at 25°C	0.8 - 0.9 g/cm ³
Viscosity at 25°C	25 - 50 cP
Flash point	≥ 90°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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WARM MIX ASPHALT – GUIDELINES FOR LABORATORY USE

GENERAL INFORMATION AND WARNINGS

- It is recommended to keep the temperature at 130 - 160°C during all the mixing phases.
- The Reclaimed Asphalt (RA) should be possibly dry and can be used at room temperature or at 80°C, depending on the plant.
- The quantity of neat bitumen to be added should be calculated according to the amount of RA used and to its average oxidized bitumen content.
- 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 together with the RA.
3. Introduce the set amount of ITERLOW RS into the binder and blend for a few seconds until the additive is completely dispersed.
4. Introduce the set amount of bitumen 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.

WARM MIX ASPHALT – 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.
- The production temperatures usually vary between 130 - 160°C*, while the laying temperatures between 120 - 140°C*.
- The Reclaimed Asphalt (RA) should be possibly dry and can be used at room temperature or at 80°C, depending on the plant.
- The quantity of neat bitumen to be added should be calculated according to the amount of RA used and to its average oxidized bitumen content.
- 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 together with the RA.
3. Introduce the amount of ITERLOW RS defined by prequalification into the binder.
4. Introduce the amount of binder defined by prequalification and blend until the aggregates are completely covered.
5. Finally, introduce the filler and blend until it is completely incorporated in the mixture.

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