



**ITERLOW T**

**Warm Mix additive**



## ITERLOW T | ADDITIVE FOR WARM MIXES

### 1. APPLICATION

ITERLOW-T is a special additive for the warm mix production (WMA), added to the bitumen it allows to lower the temperatures of the mixes' elaboration and compaction, acting in the meantime as an antistripping agent.

The addition of ITERLOW T to the mix allows the elaboration using heated aggregates at only 120°C, with a considerable energy saving and a reduction of the organic vapours in the laying phase.

The mix produced this way can be compacted on the road at a temperature between 90°C and 100°C, with almost a total elimination of hot bitumen smoke and a considerable increase of the timeline between the production and the application on the road of the mix itself.

### 2. DOSAGE

ITERLOW-T' dosage varies from 0.3% to 1% by the bitumen weight according to the type of bitumen used and the desired minimum temperatures. To obtain an optimal efficiency it is preferable to dose in line into the bitumen.

### 3. COMPOSITION

Iterlow T is composed of amino substance derivatives.

### 4. PHYSICAL PROPERTIES

Aspect at 25°C	Viscose liquid
Fusion point	-8°C approx.
Flash Point	> 200°C
Density at 25°C	1.0 g/cm 3 approx.

### 5. STORAGE

Stable at normal storing temperatures if kept in the original closed container in a sheltered place.

### 6. PACKAGE

In drums of 200 Kg net or cisterns of 950Kg.

### 7. SAFETY PRECAUTIONS

For the manipulation of ITERLOW T, it is recommended to use security gloves, clothes and protective glasses. For further information, see the product's MSDS.

## ITERLOW T

### Additive for warm mix

## PRINCIPLES

Iterlow is a technology based on a liquid product, that, added to bitumen in quantities of 0,3 – 1%, allows to produce the warm mix at temperatures between 90 C - 120 C.

Iterlow, acts on the bitumen's surface tension, therefore doesn't modify the chemical and physical characteristics of the bitumen (R&B, penetration, viscosity, paraffin content). The technology is easy to use: it doesn't provide plant modifications and doesn't introduce water into the mix. Its use began in 2002 with test plots across Europe, wear layers, connection layers, even with the addition of milled material (RAP).

Benefits: decreases the production temperature of over 40 C, limits the gas emissions that cause the greenhouse effect and reduces fuel consumption. The mechanical characteristics of the obtained mixes are identical to the ones produced at normal temperatures.

## BENEFITS

- Increases the plant's hourly production
- Allows to carry the mix at greater distances
- Improves the workability facilitating hand laying
- -50% of emissions in the atmosphere
- From 20% to 50% less energy for production
- From 40 C to 70 C less compared to classic mix.

Innovative Solutions for Road Building & Construction Materials