

## TECHNICAL DATA SHEET

### PRODUCT:

## WAXIRTEC-PMB

### APPLICATION:

**WAXIRTEC-PMB** is a specially designed wax to be used in the production of Polymer Modified Bitumen (PMB) or directly in Asphalt Plant with the aim of improving the bitumen performances in combination with polymers.

**WAXIRTEC-PMB** changes the treated bitumen rheology with the following effects:

- ✓ Reduction of penetration
- ✓ Increasing of softening point
- ✓ Reduction of viscosity in the range of working temperature (120°-160°C)
- ✓ Increase of the G\*

However the effects changes depending on different bitumen source, the above consequences always happen.

**WAXIRTEC-PMB** is a long-time stable product at high temperature (180°C), it doesn't lose effectiveness and doesn't causes any negative effect on the bitumen properties.

When introduced directly during the production of Hot Mix Asphalt, **WAXIRTEC-PMB** allows working the asphalt mix 20 to 40°C lower than the usual hot mix temperature, ensuring same or better mix workability than standard mix.

Moreover, **WAXIRTEC-PMB** is an odour free product, allows saving energy, reducing CO<sub>2</sub> emissions and increasing the worker's safety, as the asphalt mix produces less fumes.

### DOSAGE:

**WAXIRTEC-PMB** dosages depend on the application and could vary between 1% to 3% of bitumen weight.

**WAXIRTEC-PMB** could be easily used in standard PMB production units with and without high shear mills. Also, it could be directly introduced in the mixer of the Hot Mix Asphalt plants. No modification in plant design is necessary.

### CHEMICAL FAMILY:

**WAXIRTEC-PMB** is a special designed wax.

### PHYSICAL AND CHEMICAL PROPERTIES:

Appearance at 25°C	White pearls
Freezing point (°C)	140-150
Density at 20°C (g/cm <sup>3</sup> )	0.64
Flash point (°C)	> 290

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**STORAGE:** Stable at room temperatures if stored in closed containers and at shadow.

**PACKAGING:** **WAXIRTEC-PMB** is delivered on plastic drums or bags.

**SAFETY:** All chemical products should be handled with care. In order to avoid injuries, protective gloves and safety goggles should be used. For further information, see our Safety Data Sheet.

*The information contained herein is indicative only and without express guarantee. As no control can be exercised over its use, we cannot be held responsible for any damage which may result from its misuse*