

DURIRTEC K

APPLICATION:

DURIRTEC K is a mix of polyester resin and wax used for reducing thermal susceptibility and increasing mechanical resistance of Hot Mix Asphalts. It also increase the resistance to fuel.

DURIRTEC K is ideal for high performances asphalt pavements especially designed for high and heavy traffic roads or surface subject to the effect of fuel spillage (for example: parking areas, buses lanes, etc.) or for pavements under extreme climate conditions (extremely high or low temperatures).

DURIRTEC K is used in pavements made with closed or semi-open asphalt mixes granulometry gradation. It reduces rutting problems and increase cohesion of and flexibility of asphalts concretes.

DOSAGE AND APPLICATION CONDITIONS:

Dosage varies from 5% to 15% w/w on bitumen employed on asphalt mix.

DURIRTEC K is introduced in the asphalt concrete during the mixing phase. It is introduced inside the mixer of the plant after the bitumen inlet. It is suggested to increase the mixing time in 10-15 seconds in order to achieve the best dispersion of the product within the mix concrete. The

working temperature remains the same as for normal hot mix asphalt.

CHEMICAL FAMILY:

DURIRTEC K is a compound of polyester resin and wax.

PHYSICAL AND CHEMICAL PROPERTIES:

Visual Aspect	black powder
Dimension (D50) (µm)	5 - 20
Apparent density (Kg/dm ³)	0,30 - 0,50
Humidity (%)	< 2
Softening Temperature (Tsp) (°C)	95-150
Glass transition temperature (Tg) (°C)	54-63

STORAGE:

Store at room temperature in closed bags. Avoid moisture.

PACKAGE:

DURIRTEC K is delivered in 500 kg big-bags or 10 kg self-melting bags.

SAFETY:

Not dangerous (According to EEC Directives)
For further information see the Safety 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.