

# FIBIRTEC PB

## APPLICATION:

**FIBIRTEC PB** is a cellulose fiber in pellet prewetted in bitumen with stabilizing behavior used for the production of special asphalt mix concrete like porous asphalt, SMA and micro surfacing.

**FIBIRTEC PB** avoids problems of leakage during the production, transportation and laying of asphalt mixes and also reduce effect of bleeding of bitumen in asphalt reach of binder.

**FIBIRTEC PB** is absorbing part of the bitumen creating a thick binder film around aggregates that increase the mechanical performance of the pavement, reduce chipping problems, and increase the span life of the pavement.

## DOSAGE AND APPLICATION CONDITIONS:

Dosage varies from 0,30% to 0,60% w/w on aggregates employed on asphalt mix.

**FIBIRTEC PB** is introduced in the asphalt concrete during the mixing phase. It is introduced inside the mixer of the plant after aggregates 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.

Automatic dosage systems are available under request.

## CHEMICAL FAMILY:

**FIBIRTEC PB** is a cellulose fiber in pressed pellet prewetted with bitumen.

## PHYSICAL AND CHEMICAL PROPERTIES:

### PELLET

Visual Aspect	Cylindrical Pellets
Color	Dark grey
Pellet Dimension	
diameter (mm)	4-6
length (mm)	4-10
Bulk density (Kg/dm <sup>3</sup> )	0,45 - 0,50
Humidity (%)	<7
Dry residue at 550°C (%)	25 ± 5
Bitumen content (%)	7,5 ± 0,5

### FIBER

Dimensions:	
diameter (µm)	45 ± 10
length (µm)	1100 ± 200
Resistance to high temperature (°C)	>230
pH (5g / 100 ml)	7-8
Cellulose content (%)	80 ± 5

### BITUMEN

Penetration (EN 1426), 25° C (25°C; 0,1mm)	50/70
Softening point (EN 1427) (°C)	50 ± 3

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.



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**STORAGE:**

Store at room temperature in closed bags.  
Avoid moisture.

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**PACKAGE:**

**FIBIRTEC PB** is delivered in 500 kg big-bags or in 3 kg self-melting plastic bags (others formats available under request).

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**SAFETY:**

Not Toxic, not dangerous (According to EEC Directives)  
For further information see the Safety Sheet.

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