istanbulteknik
"Ready to improve your construction"

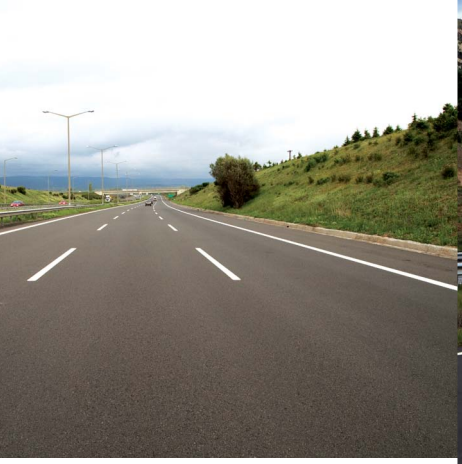
HiperCell

High Performance Cellulose Fiber

HiperCell is a high-performance cellulosic fiber that prevents drain-down of bitumen and improves stability in gap-graded mixtures (such as SMA and porous aslhalt).

As the amount of bitumen used in Stone Mastic Asphalt (SMA) application is more than other applications, bitumen "drain-down" or "bleeding" is a problem. **HiperCell** prevents bleeding of asphalt.

HiperCell Cellulose Fiber is used for improving the mechanical strength of asphalt and providing other beneficial properties to the mixture by dispersing as a 3D structure in asphalt.



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Cellulose Fiber

ADVANTAGES

Use of **HiperCell** cellulosic fiber at SMA and porous asphalt applications;

- Prevent bleeding of bitumen in the asphalt mixture
- Generates no dust during dosing process as it is manufactured in pellet form
- Improves cracking resistance and stripping resistance
- Reduces rutting
- Improves mechanical stability
- Delays fatigue cracks
- Reduces reflection cracks
- Forms theree-dimensional reinforcement within asphalt mixture
- Improves modulus of elasticity
- The pellets do not contain bitumen therefore; do not adhere to each other during storage.

APPLICATION

HiperCell is directly added to the plant mixer either manually or by means of a dosing pump. The cellulosic fiber is pelletized in order to prevent dust generation.

HiperCell dosing is 0,25% - 0,35 % of aggregate weight depending on the thickness of the coating and mix desing of aggregates.

HiperCell is designed in such manner to easily disperse in the asphalt plant mixer.

PACKAGING AND STORAGE

The product must be stored as protected from humidity without opening the packaging.

TECHNICAL SPECIFICATIONS

Properties	Standart
Description	Granular Cellulosic Fiber
Appearence	Pellets
Colour	Grey
Diameter	6 mm
Density	450 g/l
Avearage Fiber Lenght	2 mm
Heat Resistance	>250 °C

Big Bag Packingn