



CELLULOSE FIBERS FOR BETTER ROADS



FIBERPRO INTRODUCTION

CJ Hong Kong Trading Co Ltd is owned and operated by an Australian team based in China and Australia. Over the past 15 years the research and development of fibers for the construction industry has continued to show vast improvements through the use of new testing equipment and state of the art manufacturing equipment.

Dean Jarrett has developed many new products to meet the demands of the world markets. We offer a wide range of Steel, synthetic and Cellulose fibers for every aspect of construction from flooring, mining, shotcreting, pool construction, SMA roads, precast and structural applications. With our continuous efforts from our Research and development team we can offer you quality products at reduced rates.

We recognize that the construction industry is moving towards more cost effective, efficient and environmentally friendly solutions which motivates us to be more innovative in conducting our global business. China now has an abundance of raw material which certainly is one the main important factors in producing quality fiber products.

Our international team onsite overlooks each stage of the manufacturing process, through to the delivery of the product to the customers port of destination and or even plant. We certainly guarantee that our products are produced at a standard of that of any international manufacturer but at favourable prices that can cut huge amounts of expenses over a year period.

MADE FROM RAW WOOD PULP



CELLBIT - Cellulose Pellet



CELLBIT 10 - Cellulose Pellet
mixed with 10% bitumen.



FACT SHEET



Stone Mastic Asphalt (SMA) was developed in Germany 30 years ago. Since then it has spread throughout Europe and across the world.

In Germany alone approx. 100 million square metres are applied every year.

The resistance to permanent deformation on heavily trafficked roads is a result of the high content of large sized aggregates. This causes a distinct mineral aggregate distribution, hence SMA is also known as gap graded asphalt. The aggregate structure is firmly bonded together by a strong asphalt mastic consisting of sand, filler, bitumen binder and CELLBIT 10 fibres.

There are no limits to the use of SMA. It is resistant to climatic conditions ranging from hot and humid or very cold temperatures.

Vital for the quality of SMA is the use of pellets made from Cellbit 10. Main function is as a carrier for the bitumen binder and prevents binder drainage. The easy and quick application of SMA in thin layers means that this special pavement design is very cost effective. The high binder content in combination with the pellets improves the service life of the road and reduces the over all costs including maintenance.

Temperature

The manufacturing temperature of the mix must be kept below 180°C otherwise damage to the fibres will result. If the temperature of the mix is too high fuming may occur.

Packaging

Cellbit 10 is packed in bulk 500kg bags or as the customer's request. Batch and Drum plants will usually have their own requirements for packing size.

Storage

Cellbit 10 has indefinite storage life and should at all times be kept dry, off the ground and stored under cover.

CELLBIT 10

10% BITUMEN

90% CELLBIT



Technical Data Sheet

Appearance:	pellet: brown
Moisture (%):	$\leq 5 \pm 1$
Fiber density(g/l):	1.52
PH Value	Approx.7
Bitumen Content (%):	10~15%

Fiber Characteristics:

	Value	Unit
Appearance	Long grey fiber	
Density	> 20	g/l
Moisture	< 5.0	%
Average Fiber length	1200	um
PH Value	Approx.7	



Pellets Characteristics:

Thickness: 4mm
 Length: 4mm - 8mm
 Bulk Density: 480 g/l - 530g/l

BITUMEN CHARACTERISTICS

Road construction Bitumen

Softening point - Test Method D.36 ASTM - 45/52

Penetration at 25 degree Celcius - Test Method D.5 - 80/100

Specific Gravity at 25 degree celcius - Test Method D.70 - 1.01/1.05





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BRIDGING THE GAP

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