

Cosmic – Buton Modified Asphalt (SABA)

Cosmic – BMA (SABA)

Cosmic – Buton Modified Asphalt (BMA) is a high-performance Asphalt that meets and exceeds the Paving specifications.

Cosmic – BMA is designed to meet the high requirements for modern high-performance pavements in tropical environment. Consistent with its high performance, Cosmic – Buton Modified Asphalt is produced to high standards with stringent quality control.

Cosmic – BMA is most suited for pavements requiring extra performance from the binder, like raveling resistance, for heavily stressed or medium loaded roads.

Cosmic – BMA (SABA)

Cosmic – Buton Modifikasi Aspal (BMA) berbasis Buton Modifikasi yang memenuhi dan melampaui spesifikasi pengaspalan

Cosmic – BMA dirancang untuk memenuhi persyaratan tertinggi selama pengerasan berkapasitas tinggi dan modern di lingkungan tropis . Sesuai dengan kinerjanya yang tinggi, Cosmic – Buton Modifikasi Aspal diproduksi dengan standar tinggi dengan kontrol kualitas yang tepat.

Cosmic – BMA paling cocok untuk pengaspalan yang membutuhkan kinerja ekstra dari pengikat, seperti ketahanan raveling, untuk jalan dengan tekanan tinggi atau medium.

Cosmic – Buton Modified Asphalt (SABA) Specifications

Test	Unit	Test Method	Specification
Penetration at 25°C 5s	0.1 mm	ASTM D5	≥ 50
Softening point	°C	ASTM D36	≥ 53
Ductility at 25°C	Cm	ASTM D113	≥ 100
Flash Point (COC)	°C	ASTM D92	> 232
Solubility in TCE, % mass	%	ASTM D2042	> 90
Specific Gravity @ 25°C		ASTM D70	> 1.0
Particles Sieve Test 150 micron	%	ASTM D5976	> 95
Thin Film Oven Test TFOT			
Retained Penetration at 25°C 5s	%	ASTM D5	≥ 54
Ductility at 25°C	Cm	ASTM D113	≥ 50
Loss of weight	%		≤ 0.8
Fillers Content	%		≤ 10.0

Recommended storage and handling temperatures (°C)

	Storage	Mixing	Paving	Compacting
Minimum	135	150	145	120
Maximum	165	160	155	150



Recommendation for Application

Cosmic – BMA contains certain percentage of Limestone Filler. As such though, the original gradation had to be modified slightly and it should always be kept in mind that thickness might become an issue when temperature drops below reasonable limits during operations. Mix temperature management should therefore be duly implemented in order for the pavement to fully benefit from the high performance of Cosmic – Buton Modified Asphalt.

Rekomendasi untuk Aplikasi

Cosmic – BMA mengandung persentase tertentu dari Pengisi Kapur. Meskipun demikian, gradasi asli harus dimodifikasi sedikit dan harus diingat bahwa ketebalan bisa menjadi masalah saat suhu turun di bawah batas yang wajar selama operasi berlangsung. Oleh karena itu, campuran pengaturan suhu harus diterapkan agar saat pengaspalan mendapatkan manfaat penuh dari kinerja tinggi Cosmic – Buton Modifikasi Aspal.

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