

POLYMER MODIFIED ASPHALT**COSMIFLEX PG76**

Cosmiflex PG76 is a high performance Modified Asphalt that meets and exceeds the PG76 American SUPERPAVE[®] specifications.

With high stiffness together with high resilience and elasticity, Cosmiflex PG76 is designed to meet the highest requirements for modern high-performance pavements in tropical and sub-tropical environment. Consistent with its high performance, Cosmiflex PG76 is produced to high standards with stringent quality control.

Applications that Cosmiflex PG76 is most suited for are special pavements like porous mix and SMA mix, and pavements requiring extra performance from the binder, like raveling resistance, for heavily stressed or heavily loaded roads.

COSMIFLEX PG76

Cosmiflex PG76 adalah Asphalt Modifikasi berkinerja tinggi yang memenuhi dan melampaui spesifikasi PG76 American SUPERPAVE[®].

Dengan kekentalan tinggi bersamaan dengan ketahanan dan elastisitas yang tinggi, Cosmiflex PG76 dirancang untuk memenuhi persyaratan tertinggi untuk perkerasan berkapasitas tinggi modern di lingkungan tropis dan sub-tropis. Sesuai dengan kinerjanya yang tinggi, Cosmiflex PG76 diproduksi dengan standar tinggi dengan kontrol kualitas yang ketat

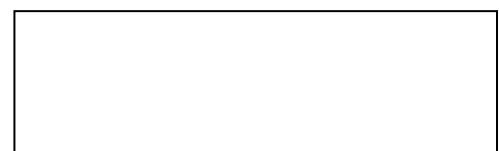
Aplikasi yang paling disukai oleh Cosmiflex PG76 adalah trotoar khusus seperti campuran berpori dan campuran SMA, dan trotoar yang membutuhkan kinerja ekstra dari pengikat, seperti ketahanan raveling, untuk jalan dengan tekanan tinggi atau berat.

Cosmiflex PG76 specifications

Test	Unit	Test Method	Specification
Penetration	0.1 mm	ASTM D5	35 to 60
Softening point	°C	ASTM D36	> 60
Ductility at 25°C	cm	ASTM D113	> 40
Elastic recovery	%	ASTM D5892	> 70
Viscosity at 135°C	Pa.s	ASTM D4402	< 3
Flash point	°C	ASTM D92	> 230
Thin Film Oven Test TFOT		ASTM D1754	
Mass loss	%	ASTM D1754	< 1
Retained Penetration	%	ASTM D5	> 60 %
SHRP Performance Grade		AASHTO TP5	
G*/sinδ at 76°C, unaged binder	kPa	AASHTO TP5	> 1.0
G*/sinδ at 76°C, RTFO residue	kPa	AASHTO TP5	> 2.2

Recommended storage and handling temperatures (°C)

	Storage	Mixing	Paving	Compacting
Minimum	135	170	150	120
Maximum	165	200	170	150



Recommendation for application

Cosmiflex PG76 is a modified asphalt brings about excellent binding and elastic properties. As such though, it should always be kept in mind that tackiness 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 Cosmiflex PG76.

Rekomendasi untuk aplikasi

Cosmiflex PG76 adalah aspal yang dimodifikasi yang membawa sifat pengikat dan elastis yang sangat baik. Meskipun demikian, harus selalu diingat bahwa ketebalan mungkin menjadi masalah saat suhu turun di bawah batas yang wajar selama operasi berlangsung. Oleh karena itu, pengaturan suhu campuran harus diterapkan agar trotoar mendapatkan manfaat sepenuhnya dari kinerja tinggi Cosmiflex PG76.

Products were tested at: KEMENTERIAN PEKERJAAN UMUM DAN PERUMAHAN RAKYAT
BADAN PENELITIAN DAN PENGEMBANGAN
PUSAT PENELITIAN DAN PENGEMBANGAN JALAN DAN JEMBAATAN
SATUAN KERJA PUSAT LITBANG JALAN DAN JEMBATAN

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The information contained herein is believed to be accurate at the time of printing, but no warranty is given neither is freedom from any patent to be inferred. AA09