

EGA-10 Grained Asphalt Mix

Containing
asbestos fibers

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Introduction

EGA-10 grained asphalt mix belongs to the same family as EG-10 but contains asbestos fibers. Its high mastic content and the fact that it is highly gapgraded make for a more closed, denser surface texture than standard grained asphalt mixes. It was designed to be applied as a thin surface course layer on overlay or existing pavement.

Thickness: 40 to 70 mm.

Area of application

EGA-10 grained asphalt mix is especially suited to traditional pavements manifesting considerable fatigue and high-flexibility pavements, for all traffic levels. Its grained texture makes it safe for travel in poor weather conditions.

Qualities

This high mastic content reduces permeability, protecting the pavement structure while maintaining its load-bearing capacity. EGA-10 grained asphalt mix is highly fatigue-resistant and retards reflective cracking. Its high asphalt content combined with its low air-void content reduces the effects of aging and substantially diminishes the risk of ravelling and stripping.

Composition

EGA-10 grained asphalt mix calls for aggregates corresponding to the level of pavement solicitation. The binder used is of performance grade PG 58-28.

Laboratory characteristics

Aggregate classes required

Sieve (mm)	Passing (%)	
	minimum	maximum
14	100	100
10	90	100
5	40	50
0,080	4	10

EGA-10 calls for filler and aggregates belonging to at least two different particle classes whose gradations do not overlap. Classes 0-5 mm and 5-10 mm are recommended.

Typical physical characteristics

Binder content: 6.5%
 Fibre content: 1.3%
 On-road compacity: 94-96%
 Voids at 10 gyrations (gyratory compactor): $\geq 11\%$
 Voids at 80 gyrations (gyratory compactor): 4-7%
 Voids at 200 gyrations: $\geq 2\%$

If required in specifications, resistance to rutting would be $<20\%$ at 3000 cycles on a specimen 50 mm thick.

Adding asbestos fiber into the pugmill at the asphalt batch mix plant.



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