



CRUMB RUBBER MODIFIED BITUMEN

AVAILABLE GRADES

- CRMB - 50
- CRMB - 55
- CRMB - 60

For enquiries, please mail to info@drgbitumen.com

BENEFITS OF DRG BITUMEN CRMB

01

Enhanced Elasticity and Flexibility:

CRMB is more flexible than conventional bitumen, allowing it to absorb and disperse stresses from traffic loads and temperature changes, reducing cracking and fatigue.

03

Better Adhesion:

CRMB exhibits stronger adhesion to aggregates, thereby improving pavement durability.

05

Environmental Advantage:

Using recycled tire rubber helps reduce landfill waste and promotes sustainable construction practices.

02

Improved Resistance to Rutting and Cracking:

Higher viscosity and elasticity make CRMB highly resistant to rutting and thermal or fatigue cracking, extending pavement life.

04

Temperature Performance:

It performs well across a range of climates, with different grades (e.g., CRMB 50, 55, 60) tailored for cold, moderate, and warm climates respectively.

06

Economic Benefits:

Though initial costs may be higher, CRMB reduces maintenance and repair frequency, lowering life-cycle costs of pavements.

TECHNICAL SPECIFICATIONS OF DRG BITUMEN CRMB

Sl.No	Characteristics	DRG Bitumen CRMB-50	DRG Bitumen CRMB-55	DRG Bitumen CRMB-60	Method of Test	
					IS Code	Annex
i)	Penetration at 25°C, 0.1 mm, 100 g, 5 s	70	60-30	50-20	IS 1203	-
ii)	Softening point (R and B), °C, Min	55	55	60	IS 1205	-
iii)	Flash point, COC, °C, Min	220	220	220	IS 1209	-
iv)	Elastic recovery of half thread in ductilometer at 15°C, percent, Min	60	60	60	-	A
v)	Complex modulus as (G*/Sin) as Min 1.0 kPa at 10 rad/s at a temperature, °C	64	64	70	IS 15462	-
vi)	Separation, difference in softening point, R&B, °C, Max	4	4	4		B
vii)	Viscosity at 150°C, Poise	4-8	4-8	6-12	IS 1206	-
viii)	Thin film oven test and tests on residue					
a)	Loss in mass, percent, Max	1.0	1.0	1.0	IS 9382	-
b)	Change in Softening Point, °C, Max	5	5	5	IS 1205	-
c)	Reduction in penetration of residue at 25°C, percent, Max	35	35	35	IS 1203	-
d)	Elastic recovery of half thread in ductilometer at 25°C, percent, Min	35	35	35	-	A
e)	Complex modulus as (G*/Sin) as Min 2.2 kPa at 10 rad/s at a temperature, °C	64	64	64	IS 15462	-