

TECHNICAL DATA SHEET

CRUMB RUBBER MODIFIED BITUMEN (CRMB) 50



IQTB-800-QL-TDS-0018

DESCRIPTION

Crumb Rubber Modified Bitumen (CRMB 50) is specifically engineered to perform in regions with moderate to heavy variations and moderate traffic loads. With a balanced blend of flexibility and durability, CRMB 50 delivers excellent crack resistance and temperature susceptibility control, making it ideal for rural roads, secondary roads, and city streets where both performance and cost-effectiveness are priorities.

This grade of Bitumen is widely used in the production of hot mix asphalt for base courses and wearing courses, offering a good balance between strength and adaptability across diverse climatic conditions. CRMB 50 conforms to the specifications outlined in IS 15462:2004



SPECIFICATIONS

Test	Specification	Unit	Test Method
Penetration @ 25°C	70 Max	mm/10	ASTM D5
Softening Point (R & B)	55 Min	°C	ASTM D36
Elastic Recovery at 15 °C	50 Min	%	ASTM D6084
Viscosity at 150 °C	1–3	Poise	ASTM D4402
Separation, Difference in Softening Point, (R&B)	4 Max	°C	–
Flash point	220 Min	°C	ASTM D92
Thin Film Oven Test & Test on Residue			
Loss in Mass	1 Max	% Wt	ASTM D6
Reduction in Penetration of residue at 25!°C	40 Max	%	ASTM D5
Increase in Softening Point	7 Max	°C	ASTM D36
Elastic Recovery at 25, °C	35 Min	%	ASTM D6084

RECOMMENDED WORKING TEMPERATURES

-  Storing temperature (°C): < 160
-  Mixing temperature (°C): 150–170
-  Compaction temperature (°C): 110–140

GUARANTY AND SAFETY

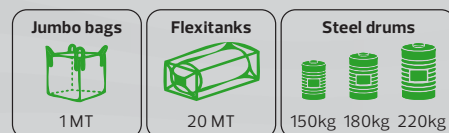
We as Iraq Altaqa Company guaranty the quality of CRMB 50. To ensure this, an independent international inspection agency is arranged to verify both the quality and quantity of the Bitumen during vessel loading. Additionally, production is closely monitored by the Quality Control (QC) team through batch testing prior to shipment.

APPLICATIONS

CRMB 50 is gaining traction in various road construction projects for its enhanced performance and recyclability. It is especially suitable for urban streets, rural connectors, industrial roads, and residential areas. The rubber content improves flexibility and thermal resilience, making it a durable and eco-conscious solution for infrastructure development under variable loads and climates.

PACKAGING

Our bitumen is available in a range of packaging options, including:



All packaging is weatherproof and engineered for safe, efficient handling and transportation in diverse operating environments.



Complies with
IS 15462:2004