

# TECHNICAL DATA SHEET

## CRUMB RUBBER MODIFIED BITUMEN (CRMB) 55



IQTB-800-QL-TDS-0019

### DESCRIPTION

Crumb Rubber Modified Bitumen (CRMB 55) is engineered for regions with significant seasonal temperature variations. Its balanced combination of elasticity and stiffness ensures consistent performance in both hot and cold conditions. This makes CRMB 55 a versatile choice for a wide range of road construction projects, including highways, urban roads, and residential streets.

This grade of Bitumen is most utilized in the manufacture of hot mix asphalt for both base courses and wearing courses, where strength and long-term performance are critical. CRMB 55 conforms to the specifications outlined in IS 15462:2004



### SPECIFICATIONS

| Test                                             | Specification | Unit  | Test Method |
|--------------------------------------------------|---------------|-------|-------------|
| Penetration @ 25°C                               | 60 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                              | 2–6           | 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                                     | 1Max          | % Wt  | ASTM D6     |
| Reduction in Penetration of residue at 25!°C     | 40 Max        | %     | ASTM D5     |
| Increase in Softening Point                      | 6 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

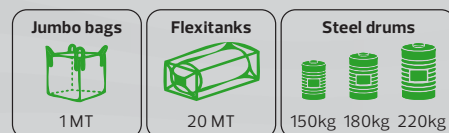
Iraq Altaqa Company guarantees the quality of CRMB- 55. To ensure this, an independent international inspection agency is arranged to verify both the quality and quantity of the Bitumen during vessel loading. Additionally, production is closely monitored by the Quality Control (QC) team through batch testing prior to shipment.

### APPLICATIONS

CRMB 55 is increasingly being used in road construction worldwide for its superior performance and environmental benefits. By adapting the technology to local conditions, it's helping to build stronger and longer-lasting roads. Ideal for highways, urban streets, airport runways, and industrial areas, crumb rubber modified Bitumen offers excellent durability, crack resistance, and sustainability—making it a smart choice for modern infrastructure.

### 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