



CRUMB RUBBER MODIFIED BITUMEN

CRFlex® 55/60

APPLICATIONS:

CRFlex® 55/60 is specially formulated with unique technology that enables homogeneity, stability and consistent properties of binder. To achieve this, special stabilizing additives are used under special manufacturing process resulting in unique properties that are consistent and as per the latest technical guidelines.

PRODUCT CERTIFICATIONS: Bureau of Indian Standards (BIS): CM/L-No-8400162409

SPECIFICATIONS: The product meets the specifications as per IS 17079:2019.

AVAILABLE GRADES:

- CRFlex® 55
- CRFlex® 60

BENEFITS:

- Higher resistance to deformation at elevated pavement temperatures.
- Better adhesion between aggregate and binder.
- Higher fatigue life and delayed cracking and reflective cracking.
- Overall improved performance in extreme climatic conditions and under heavy traffic conditions.
- Better water resistance.
- Resistance to creep and higher indirect tensile strength.
- Lower susceptibility to daily and seasonal temperature variations.

PACKING: CRFLEX® 55/60 is available in Bulk

FOR TECHNICAL QUERIES, PLEASE CONTACT:

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SPECIFICATIONS IN ACCORDANCE WITH IS 17079 : 2019

Property	Requirement CRFlex® 55	Requirement CRFlex® 60	Method Reference
Penetration at 25°C, 0.1mm, 100gm.5Sec	60 – 30	50 – 20	IS 1203-1978
Softening Point, (R & B), °C, Min	55	60	IS 1205-1978
Flash Point, COC, °C, Min.	220	220	IS 1209-1978
Elastic Recovery of half thread in ductilometer 15°C, %, Min	60	60	Annexure-A 17079:2019
Complex Modulus (G*/Sin δ) as Min. 1 kPa at 10 rad/s, at a temperature °C.	64	70	15462:2019
Separation, difference in Softening point (R & B), °C, Max	4	4	Annexure-B 17079:2019
Viscosity at 150°C, Poises	4 - 8	6 - 12	1206 (Part 2)
Thin film oven test on residue			
Loss in Mass, %, Max	1	1	IS 9382-1979
Increase in Softening point, °C, Max	5	5	IS 1205-1978
Reduction in penetration of residue, at 25 °C, %, Max	35	35	IS 1203-1978
Elastic Recovery of half thread in ductilometer 25 °C, %, Min	35	35	Annexure-A 17079:2019
Complex Modulus (G*/Sin δ) as Min. 2.2 kPa at 10 rad/s, at a temperature °C	64	70	15462:2019

Procedure	Recommended Temperature Range
Mixing / Coating with Aggregates	170 - 185 °C
Laying of Mix	150-170 °C
Beginning of Compaction	Over 140 °C
End of Compaction	110-120 °C