

Description

ShaliCRMB is the best and most suitable for Indian Roads for all weather, Highways, Densest Traffic Roads, Junctions, airfield runways, Heavy Duty and High traffic Sea Port Roads etc. It is highly durable and dependable economical solution for raveling, undulation, rutting, bleeding, shoving and potholes solutions.

ShaliCRMB is manufactured from mechanically partial de-vulcanized, chemically treated rubber from heavy vehicular tyres duly admixed with Natural Asphalt & Natural Latex in a high sheared mixing machine at a higher temperature. **ShaiCRMB** is superior version to IRC Specification 53 of 2002 & IS 15462/2004

Characteristics

	CRMB 50	CRMB 55	CRMB 60
Penetration at 25 °C o.1mm 100 grm on 5 sec	< 70	< 60	< 50
Softening Point at °C (R & B), min.	52	57	62
Flash Point, COC, °C min	220	220	220
Elastic Recovery of Half Thread in Ductilometer at 15 °C, % min.	>55	>55	>55
Separation, difference in Softening Point R & B °C max	3	3	3

Test on thin film over test (TOFT) on Residue (IS : 9382 : 1992)

Penetration at 25 °C, 0.1mm 100 grm, 5 Sec, Min %	60	60	50
Increase in softening Point °C (R & B), min.	7	6	5
Elastic Recovery of Half Thread in Ductilometer at 15 °C, % min	35	35	35

Application

It is used for Wearing course & Binder course like Semi dense Bituminous Concrete (SDBC), Dense Bituminous Macadam (DBM) and Bituminous Concrete (BC) or Asphalt Concrete (AC).

Advantages

- Higher resistance to deformation at increased Road temperature enhances smooth drive comforts.
- Improved adhesion and bonding with aggregates, Higher Softening Point, High Flow resistance and Higher Impact Resistance to withstand movement of Heavy Vehicular Traffic.
- Higher Skid Resistance, Better Road Grip and smother vehicle break application reduces accident chances substantially.
- Higher elongation and Tensile strength, increases elasticity, reduced Thermal Sensitivity reduces the chances of all types of cracks under stress.
- Reduces degree of rutting, improves driving comfort even on Higher Axle Load.
- Higher Anti- Stripping properties and highly resistance to moisture / water absorption reduces the chance of damage of roads during heavy rain even under improper drainage.
- Higher aging resistance due to passivity to oxidation (Resists degradation on high application temperature as well as during Summer ensures longer life of the pavement with lesser maintenance).

Application Methodology

- **ShaliCRMB** Bitumen shall be used in suitable Hot Mix Plant with dry aggregates, a little higher temperature than applied in case of conventional Bitumen.
- Before using, it should be agitated in molten condition with suitable device for homogeneity whether it is supplied in drums or tankers.
- Should not be heated repeatedly or over heated to retain its properties.
- It can be applied as tack coat for Bituminous Concrete, when CRMB is used, by suitable sprayer for SAM (Stress Absorbing Membrane) or SAMI (Stress Absorbing Membrane Interface).

Health & Safety

- Use goggles, gumboots, nose covers and hand gloves during application
- Clean hands with warm soap water after application

Packing

Available in bulk and in 200 kg drum. It can also be processed at site as per bulk requirement.

Storage

Keep in cool and dry place, under shed, away from heat. Please refer below mentioned measures for storage

Stage of Work	Viscosity (Poise)	Temp. at °C
Binder at Mixing	Max 2	165 - 185
Mixing at Mixing Plant	Max 4	140 - 160
Mix at Laying Site	Max 5	130 - 150
Rolling at Laying Site	10 - 10000	115 - 135



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