



Bitumen K1-60

(Cationic Bitumen Emulsion)

PRODUCT DATA SHEET

Bitumen emulsion K1-60 is a type of cationic bitumen emulsion specifically designed for various applications in road construction and maintenance. It is essential for enhancing the performance and longevity of road surfaces, making it widely used in both new construction and maintenance activities.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Particle Charge Test	-	Postive	ASTM D224
Residue on a 710 µm (No. 20) Sieve	%m/m	Max. 0.05	ASTM D244
Residue on a 150 µm (No. 100) Sieve	g/100ml	Max. 0.15	ASTM D244
Binder content	%	Min. 57	ASTM D6997
Viscosity (degrees Engler (°E) at 20°C)	°E	6 to 9	ASTM D1545
Storage stability (long period test)	%	Max. 2	ASTM D6930

Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping.

Application:

Before application drums should be well rolled to agitate contents before use. Cationic emulsions should be applied by brushing with hand broom or squeegee. Spread in one direction only and avoid scrubbing often. It is more practical to apply by spray as this provides a uniform distribution and even film.

Recommended Application Rate:

Lean Mix Curing: 1.0–1.5 Ltr/m².

Full Grouting: 5.0–11.0 Ltr/m²

Semi-Grouting: 0.4–0.5 Ltr/m².

Patching: 8.0–10.0 Ltr/m².

Sealing of formation and sub-bases: 0.9–1.8 Ltr/m²

Surface dressing: 1.4–1.6 Ltr/m²

Note: These rates serve as guidelines and may need adjustments based on specific project conditions.

Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

Packaging:

New steel drums, reconditioned steel drums, Bulk.

Steel Drums: 180Kg, 200Kg

Bulk: Tank Container

IBC Tank: 1000Ltrs

Code Approvals/Compliance:

Meets: BS434, KS 02-769:1990

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