



TECHNICAL SPECIFICATION

BITUMEN EMULSION K1-60

Product: Bitumen Emulsion K1-60

Type: Cationic Rapid-Setting Bitumen Emulsion

Application: Tack Coat, Surface Dressing, Road Maintenance and Pavement Construction

Technical Specification

No.	Property	Unit	Specification
1	Particle Charge	—	Positive
2	Residue on 710–750 μm Sieve	% m/m	Max. 0.05
3	Residue on 150 μm Sieve	g/100 mL	Max. 0.15
4	Binder Content	% m/m	Min. 57
5	Viscosity at 20°C	°Engler	6–9
6	Coagulation at Low Temperature	—	Nil
7	Storage Stability – Long Period	%	Max. 2

Typical Physical Properties

Property	Typical Value
Appearance	Dark Brown to Black Liquid
Emulsion Type	Cationic
Setting Type	Rapid Setting
Bitumen Content	Approx. 60%
Particle Charge	Positive
Solubility	Dispersible in Water
Odour	Mild Bituminous Odour

Applicable Standards

BS 434 – Bitumen Road Emulsions

KS 02-769 – Cationic Bitumen Emulsion

ASTM D244 – Standard Test Methods and Practices for Emulsified Asphalts

Main Applications

- Tack coating between asphalt layers
- Surface dressing
- Road maintenance
- Asphalt pavement rehabilitation



- Penetration spraying
- Bonding of existing and newly laid asphalt
- General road construction applications

Packaging

Bitumen Emulsion K1-60 can be supplied in:

- New Steel Drums
- IBC Tanks
- Bulk Tankers

Storage

Store in closed containers or suitable storage tanks. Protect the product from freezing, excessive heat and contamination. Avoid mixing with anionic emulsions or incompatible chemical products.

Note: The above values represent typical commercial specifications for Bitumen Emulsion K1-60. Final test results may vary slightly depending on production batch and should be confirmed by the relevant Certificate of Analysis (COA).