



# Bitumen RS-1

(Anionic Bitumen Emulsion)

## PRODUCT DATA SHEET

Bitumen emulsion RS-1 is a type of cationic bitumen emulsion designed for specific applications in road construction and maintenance. The designation "RS" typically indicates that it is a rapid-setting emulsion, which means it is formulated to set quickly when applied.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Viscosity, Saybolt Furol at 25°C	SFS	20-100	ASTM D88
Storage Stability Test, 24-h	%	Max. 1.0	ASTM D244
Demulsibility (35 ml of 0.02 N CaCl <sub>2</sub> )	%	Min. 60	ASTM D244
Particle Charge Test	-	Negative	ASTM D224
Sieve Test	%	Max. 0.10	ASTM D244
Cement mixing test	%	-	ASTM D244

### Distillation:

Residue by Distillation	%	Min. 55	ASTM D244
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### TEST ON RESIDUE FROM DISTILLATION:

Ductility at 25°C	CM	Min. 40	ASTM D-113
Penetration, 25°C, 100g, 5s	CM	100-200	ASTM D5
Solubility in Trichloroethylene	% Wt	Min. 97.5	ASTM D-2042

### 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 Recommendations:

**Tack Coat:** 0.25 to 0.70 liters per square meter

**Prime Coat:** 0.6 to 1.0 liters per square meter

**Crack Seal:** 0.3 to 0.5 liters per square meter

*Note: These rates serve as general guidelines and may need to be tailored to specific project requirements.*

### 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:

ASTM D977

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