



ANIONIC EMULSIONS

(RS, MS, & SS)

Rapid, Medium & Slow Setting Anionic Emulsion

Complies to ASTM D 977 & MOC Specification for Anionic Emulsified Asphalt, Table 4.01-4A, 4B & 4C

INTRODUCTION

Rapid, Medium & Slow Setting, Anionic Emulsified Asphalts for use in the construction and maintenance of pavements.

FEATURES

- RS Grade are ideal as sand seal, single or multiple layer
- MS grades are ideal for cold mix, track coat crack treatment
- SS grades are ideal for slurry seal coat, prime coat, tack coat, fog seal and dust binder
- Non flammable
Easy to apply since the product is emulsified and can be used without heating
Conforms to ASTM D 977

USES

RS grades are typically used as sand seal coat in single or multiple layers. MS grades are used as a tack coat. SS grades are typically used in slurry seal application. These grades are used in the construction and maintenance of pavements as designated in ASTM D 3628

INSTRUCTIONS FOR APPLICATION

Surface Preparation: The area to be sealed and must be dried. It must be swept with a power broom to remove dirt, sand, gravel and other debris.

Application: Apply the asphalt emulsion to the clean surface with a distributor spray bar. Application temperature should be between 20 to 70°C. RS grades should never be diluted with water. MS and SS grades can be diluted with water, if needed, for example in fog seal application. However water should be added slowly to the emulsion. Diluting emulsion by adding it to a tank of water should never be done, Traffic must be controlled according to a

traffic must be controlled according to a traffic control plan and kept off the sealed area until the emulsion breaks or until it does not adhere to vehicle tires. More details about application are available upon request.

CLEANING

Emulsions can be removed from equipment and tools with water when it is wet. When dried, it can be removed by any suitable solvent such as gasoline or kerosene.

COVERAGE

Depends on the surface treatment technique selected.

HEALTH & SAFETY

Worker should wear protective masks, gloves and goggles during application.

PRECAUTIONS

No special precautions are needed since it is a water based, non flammable material.

PACKING

Supplied in bulk, 200 kg drums or 18 kg can. Other weights are available upon request.

STORAGE

Store in a dry and shaded area in original packing.

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TECHNICAL DATA

Properties	RS-1		RS-2		MS-2		MS-2h		SS-1		SS-1h		Test Method
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
Saybolt Furl Viscosity at 25°C sec.	20	100	---	---	100	---	100	---	20	100	20	100	ASTM D 244 ASTM D 88
Saybolt Furl Viscosity at 50°C sec.	---	---	75	400	---	---	---	---	---	---	---	---	ASTM D 244 ASTM D 288
Storage Stability test, 24 hours, %	---	1	---	1	---	1	---	1	---	1	---	1	ASTM D 244
Cement mixing test, %	---	---	---	---	---	---	---	---	---	2.0	---	2.0	ASTM D 244
Coating Ability and water resistance: Coating, dry aggregate	---	---	---	---	Good	Good	Good	Good	---	---	---	---	ASTM D 244
Coating, after spraying	---	---	---	---	Fair	Fair	Fair	Fair	---	---	---	---	
Coating, wet aggregate	---	---	---	---	Fair	Fair	Fair	Fair	---	---	---	---	
Coating, after spraying	---	---	---	---	Fair	Fair	Fair	Fair	---	---	---	---	
Sieve test, %	---	0.1	---	0.1	---	0.1	---	0.1	---	---	---	0.1	ASTM D 244
Residue by distillation, %	55	---	63	---	65	---	65	---	57	---	57	---	ASTM D 244
Test on residue from distillation: Penetration at 25°C, 0.1 mm	100	200	100	200	100	200	100	200	100	100	40	90	ASTM D 5
Ductility at 25°C, cm	40	---	40	---	40	---	40	---	40	---	40	---	ASTM D 113
Solubility in trichloroethylene, %	97.5	---	97.5	---	97.5	---	97.5	---	97.5	---	97.5	---	ASTM D 2042