



# emulfix™

## bitumen emulsifiers



Cationic emulsifiers for the production of slow, medium and fast setting emulsions

**emulfix™ MS-1C** is for the preparation of cationic medium to slow setting Type 2 & 3 slurry seal bitumen emulsions and micro-surfacing applications with larger aggregates.

Emulfix™ MS-1C can be used on its own or in combination with Emulfix™ CL cationic latex to create a stronger layer with increased stone retention. Strong cohesion is achieved early for quick trafficking. The break time of the end product is easy to control even in warm climates.

emulfix™ MS-1C	Dosage %
Bitumen 80/120	58-60
Emulfix™ MS-1C	0.7- .2
Hydrochloric Acid	0.3 To pH 2-6
Anhydrous Calcium Chloride	0.1
Water	To 100

If a cationic compatible latex is to be used in the emulsion preparation, or the emulsion is to be blended with a compatible latex the pH should be less than 3 with acid (usually hydrochloric acid)

For use as the control additive in slurry seal Emulfix™ FS-1C may be used neat or diluted down to 1:1 or 1:2 with water.

**emulfix™ FS-1C** is for the preparation of quick setting surface dressing and tack coating bitumen emulsion binders. It is also used as the control additive in slurry seal.

For use as the control additive in slurry seal Emulfix™ FS-1C may be used neat or diluted down to 1:1 or 1:2 with water.

emulfix™ FS-1C	Dosage %		
	MICRO SURFACING	TACK COAT	SLURRY SEAL
Bitumen	67-70	57-60	40
Kerosene	0-3	0-3	0-3
Emulfix™ FS-1C	0.17-0.25	0.2-0.3	0.3-0.4
Hydrochloric Acid	0.15-0.22	0.18-0.28	0.28-0.38
Anhydrous Calcium Chloride	0.1	0.1	0.1
Water	To 100	To 100	To 100

### ✓ PHYSICAL PROPERTIES

- Emulsions prepared using Emulfix™ meet the requirements of ASTM D244 cement mixing test.

### ✓ HANDLING

- Emulfix™ range of emulsifiers can be pumped down to approximately -10°C
- Certain Emulfix emulsifiers should not be used near naked flames, as they are flammable. Please check relevant Safety Data Sheet (SDS).

### ✓ AVAILABILITY

- Emulfix™ range of emulsifiers are available in:
  - 1,000 litre IBC
  - 200 litre drums

### ✓ STORAGE

- Emulfix™ range of emulsifiers have a minimum shelf life of 2 years

### ✓ HEALTH, SAFETY AND ENVIRONMENT

- Emulfix™ should be used in accordance with the relevant Safety Data Sheet (SDS)

**macismo**  
asphalt innovations

