



AIWIN ANIONIC BITUMEN EMULSION

(Medium Setting) / AIWIN AMS-1



Complies to ASTM D 977

AIWIN Anionic Bitumen Emulsion MS 1.

ANIONIC BITUMEN EMULSION for use in the construction and maintenance of pavements.

- 1- Conforms to ASTM D 977.
- 2- Ideal For slurry seal, tack coat, fog seal and primer coat for construction.
- 3- Easy to apply since the product is emulsified and can be used without heating.
- 4- Nonflammable.

MS 1 Grade is typically used for slurry seal applications.

These grades are used in the construction and maintenance of pavements as designated in ASTM D 3628.

Surface Preparation:

The area to be sealed must be dry. 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 or brush. Application temperature should be between 20 to 70 °C. MS 1 grades of asphalt emulsions should not be diluted with water.

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

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

Depends on the surface treatment technique selected.

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

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

AMS 1:

Grades are supplied in bulk, 200 kg drums or 18 kg cans. Other weights are available upon request

Store in a dry and shaded area in original packing

Shake well before use



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TECHNICAL SPECIFICATIONS

PROPERTIES	MS 1		TEST METHOD
	MIN	MAX	
Saybolt Furol Viscosity at 25°C.seonds	20	100	ASTM D 244
Storage Stability test, 24 hours, %		1.0	ASTM D 244
Sieve test, %		0.1	ASTM D 2397
Coating ability & water resistance			
Coating dry aggregate	Good		
Coating after spraying	Fair		
Coating wet aggregate	Fair		
Coating after spraying	Fair		
Residue By Distillation, %	55		
Test on residue from distillation:			ASTM D 244
Penetration at 25°C. 0.1mm	100	200	ASTM D 5
Ductility at 25°C., cm	40		ASTM D 113
Solubility in trichloroethylene, %	97.5		ASTM D 2042
Particle charges test	Negative		ASTM D 244

This technical data complement to ASTM and EN standards

This product data sheet supersedes all previous data publication pertaining to this product

All values given refer to standard production within the usual factory tolerance

Aiwin reserve the right to change said values without advance notice but without affecting the quality of the product



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