



AIWIN ANIONIC BITUMEN EMULSION

(Rapid Setting) / AIWIN ARS-1



COMPLIES TO ASTM D 977

AIWIN ANIONIC BITUMEN EMULSION (RS1).

Anionic Emulsified Asphalts 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.

RS 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. RS 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

RS 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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COMPLIES TO ASTM D 2397

TECHNICAL SPECIFICATIONS

PROPERTIES	RS-1		TEST METHOD
	MIN	MAX	
Saybolt Furol Viscosity at 25°C.seconds	20	100	ASTM D 244
Storage Stability test, 24 hours, %	-	1.0	ASTM D 244
Sieve test, %	-	0.1	ASTM D 2397
Residue By Distillation, %	55	-	ASTM D 244
Test on residue from distillation:			
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, B.S, and UEAtc.

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.

(Variation of $\pm 5\%$ in thickness, $\pm 10\%$ in weight, and 20% in tensile and 15% in elongation is acceptable according to standard).

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



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