



AIWIN CATIONIC BITUMEN EMULSION

(Rapid Setting) / AIWIN CRS-1



COMPLIES TO ASTM D 2397

AIWIN Rapid Setting, Cationic Emulsified Asphalts CRS-1.

Rapid setting, Cationic Emulsified Asphalts for use in the construction and maintenance of pavements.

- 1-Conforms to ASTM D 2397
- 2-Ideal For slurry seal, tack coat, fog seal and primer coat .
- 3-Easy to apply since the product is emulsified and can be used without heating.
- 4-Nonflammable

CRS 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 bar. Application temperature should be between 20 to 70 °C. CRS1 grades of asphalt emulsions Can't be diluted with water, 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 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, nonflammable material.

CRS-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.



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TECHNICAL SPECIFICATIONS

PROPERTIES	CRS-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
Particle charges test	Positive		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	250	ASTM D 5
Ductility at 25°C., cm	40	-	ASTM D 113
Solubility in trichloroethylene, %	97.5	-	ASTM D 2042

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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