



# AIWIN CATIONIC BITUMEN EMULSION

(Slow Setting) / AIWIN CSS-1



**Complies to ASTM D 2397**

## **AIWIN CATIONIC BITUMEN EMLUSION (CSS-1)**

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

CSS 1 grade are 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:

### **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. CSS grades of asphalt emulsions 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 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.

### **CSS-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	CSS-1		CSS-1h		TEST METHOD
	MIN	MAX	MIN	MAX	
Saybolt Furol Viscosity at 25°C.seconds	20	100	20	100	ASTM D 244
Storage Stability test, 24 hours, %	-	1	-	1	ASTM D 244
Particle charges test	Positive		Positive		ASTM D 244
Cement Mixing test, %	-	2.0	-	2.0	ASTM D 244
Sieve test, %	-	0.1	-	0.1	ASTM D 2397
Residue By Distillation, %	57	-	57	-	ASTM D 244
Test on residue from distillation: Penetration at 25°C. 0.1mm	100	250	40	90	ASTM D 5
Ductility at 25°C., cm	40	-	40	-	ASTM D 113
Solubility in trichloroethylene, %	97.5	-	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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