



Bitumen CSS-1h

(Cationic Bitumen Emulsion)

PRODUCT DATA SHEET

Bitumen emulsion CSS-1H is a cationic slow-setting high-viscosity (CSS) emulsion used primarily in road construction and maintenance.

CHARACTERISTICS	UNIT	LIMITS	TEST METHODS
Viscosity, Saybolt Furol at 25°C	SFS	20-100	ASTM D88
Storage Stability Test, 24-h	%	Max. 1.0	ASTM D244
Demulsibility (35 ml of 0.02 N CaCl ₂)	%	-	ASTM D244
Particle Charge Test	-	Positive	ASTM D224
Sieve Test	%	Max. 0.10	ASTM D244
Cement mixing test	%	Max. 2.0	ASTM D244

Distillation:

Residue by Distillation	%	Min. 57	ASTM D244
-------------------------	---	---------	-----------

TEST ON RESIDUE FROM DISTILLATION:

Ductility at 25°C	CM	Min. 40	ASTM D-113
Penetration, 25°C, 100g, 5s	CM	40-90	ASTM D5
Solubility in Trichloroethylene	% Wt	Min. 97.5	ASTM D-2042

Quality:

The quality of the bitumen is assured for every delivery with arrangement of international inspector to check quality and controlling the production by Quality Control and also by batch test report before shipping.

Application Recommendations:

Tack Coat: 0.2 to 0.60 liters per square meter

Fog Seal: 0.2 to 0.6 liters per square meter

Prime Coat: 0.7 to 1.2 liters per square meter

Slurry Seal: 0.4 to 1.0 liters per square meter

Note: These rates serve as general guidelines and may need to be tailored to specific project requirements.

Health & Safety:

Bitumen is unlikely to present any significant health or safety hazard when properly used in the recommended application, provided good standards of industrial and personal hygiene are maintained.

Packaging:

New steel drums, reconditioned steel drums, Bulk.

Steel Drums: 180Kg, 200Kg

Bulk: Tank Container

IBC Tank: 1000Ltrs

Code Approvals/Compliance:

ASTM D2397, AASHTO M208

Learn More [↗](#)

www.nuroil.com

For further information, please contact:

Nuroil Trading FZE

Email : info@nuroil.com

Phone : +971 55 8405476

Disclaimer: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.