

CATIONIC BITUMEN EMULSION

BITUMENA SS-1H (TACK COAT)

BITUMENA SS-1h is an anionic asphalt emulsion which is recommended for use as an adhesion promoter (tack-coat) between the two layers of asphaltic concrete used in road construction.

USES

BITUMENA SS-1h is recommended for use as tack coat between the two layers of asphaltic concrete in road construction.

STANDARD COMPLIANCE

The product complies with the specification as per ASTM D 977 and AASHTO M140

APPLICATION

For large projects, BITUMENA SS-1h is usually sprayed directly from the road tanker. The nozzle size and speed of the tanker movement determines the rate of spray. Usually the speed is adjusted in such a way that the spray rate remains between 0.3 – 0.6 Kg/m . The spray rate depends upon type of asphalt pavement.

DILUTION

Generally, the product is recommended for spray with dilution with equal quantity of potable water as per the project requirement or as recommended and accepted by the consultant. The water to be added to emulsion and not vice – versa.

PACKING

Bulk & 200 Kg. Drum

STORAGE/SHELF LIFE

Store under normal warehouse conditions. Shelf life of the product is 12 months from the date of manufacturing provided it is stored in unopened factory packed drums.

CLEANING

Tools may be cleaned with water as long as the product is wet. Once dry, by mechanical means only.

TECHNICAL SERVICES

Technical assistance and information are available by calling Mena Energy or Sustainable Road Solutions on specific application.

RECOMMENDED TEMPERATURES

Temperatures	MIN	MAX
Storage	10°C	60°C
Application	10°C	55°C

SLOW SETTING BITUMEN EMULSION

BITUMENA SS – 1H

Typical Properties				
Characteristics	Test Method	Unit	Min	Max
Saybolt Furol at 25°C	ASTM D 88	Sec	20	100
Storage stability test, 24h	ASTM D 6930	%		1
Cement Mixing Test	ASTM D6935	%	-	2
Sieve Test	ASTM D6933	%	-	0.1
Residue by Distillation	ASTM D 6997	%	57	
Distillation, Residue, %, min	ASTM D 6997	wt%	57	
Test on residue from Distillation				
Penetration,25°C, 100gm,5s	ASTM D5	dmm	40	90
Ductility,25°C, 5cm/min	ASTM D113	cm	40	
Solubility in Trichloroethylene	ASTM D 2042	%	97.5	-

HEALTH AND SAFETY

Use normal safety precautions. Wear rubber hand gloves, safety shoes and safety goggles while using and handling the product. Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment immediately. Do not store near food, beverages or smoking materials. Avoid personal contact with hot material. Avoid breathing vapors. Always wear protective equipment and clothing when handling hot asphalt.

LEGAL NOTES: MENA ENERGY reserves the right to change or modify the data without prior notice. All reasonable care has been taken in compiling the data that to the best of our knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MENA ENERGY recommendations is accurate and true. All recommendations are made in good faith. No responsibility can be accepted by us and no warranty is implied with regards to any recommendations made in this data sheet, since the conditions of actual use, method of application and the labour involved are beyond our control.