

## COLASPHALT TACK

### CATIONIC QUICK-SETTING EMULSION FOR TACK AND FOG COATS

#### PRODUCT DESCRIPTION

**COLASPHALT TACK** can be formulated as a cationic quick-setting asphalt emulsion that is designed for various paving and industrial uses.

**COLASPHALT TACK** emulsion has been designed for stability throughout application while also allowing for faster curing times in a variety of applications when compared to traditional tack coats. These faster curing times lead to a faster return to traffic.

#### GENERAL PRODUCT FEATURES

- Cures quickly when used as a tack coat or fog seal, allowing the sprayed pavement surface to be opened to construction traffic without the tack coat undergoing damage
- Low viscosity that can be further reduced with the addition of potable water
- Provides a good coating over dense-graded, high-fines-content aggregates as well as clean chips
- Seals minor cracks on existing chip seals/HMA pavement surfaces
- Renews aged pavement surfaces and prevents further oxidation
- Prevents slippage planes between pavement layers
- Helps prevent ravelling/stone loss on new or existing chip seals/HMA pavement surfaces
- Reduces snow plough damage often experienced on chip sealed roads
- May help in reducing window claims seen during new chip seal construction by aiding in stone retention

#### RECOMMENDED USE

**COLASPHALT TACK** is formulated for successful use as a tack coat or a fog seal.

#### TACK COATS

**COLASPHALT TACK** applied to an existing pavement surface will eliminate slippage planes, provide an excellent bond with succeeding asphalt lifts, and will not track under construction traffic.

#### FOG SEALS

**COLASPHALT TACK** is applied to an existing asphalt surface that has become oxidized with age in order to renew it. It will also seal narrow cracks and surface voids. Because of its quick curing times and its resistance to tracking, conventional sand blotting is often not required.

#### SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC.	
		Min	Max
<b>Tests on Emulsion</b>			
SF Viscosity, 25°C, SFs	<b>21.0</b>	20.0	100
Sieve Test, 850 µm, %	<b>0.03</b>	-	0.10
Distillation Residue, 260°C, %	<b>60.00</b>	57.00	-
Oil Portion of Distillate, %	<b>1.5</b>	-	-
Particle Charge	<b>(+)</b>	<b>(+)</b>	
<b>Tests on Residue</b>			
Penetration, 25°C, dmm	<b>126</b>	100	250
Solubility in TCE, %	<b>99.99</b>	97.5	-
Ductility, 25°C, cm	<b>65.0</b>	60.0	-

#### APPLICATION GUIDELINES

#### TACK COATS

**COLASPHALT TACK** can be diluted up to a 50/50 ratio with water or not diluted at all. Typical spray rates range from 0.25 to 0.70 L/m<sup>2</sup> (0.05 to 0.15 gal/yd<sup>2</sup>) when used for tack coats in its diluted form.



#### MCASPHALT INDUSTRIES LIMITED

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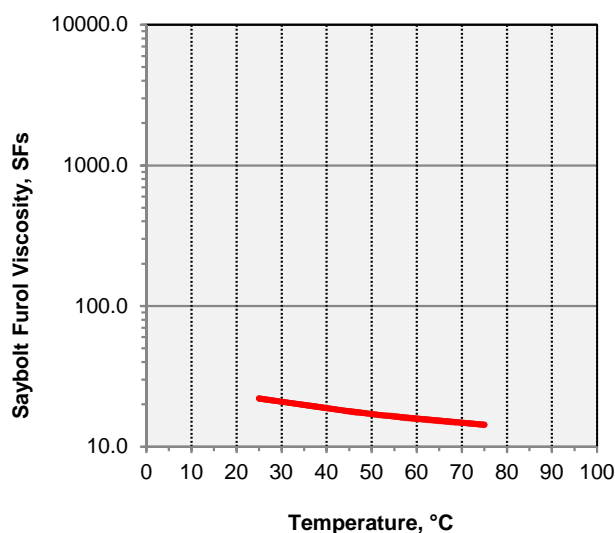
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### CATIONIC QUICK-SETTING EMULSION FOR TACK AND FOG COATS

#### FOG SEALS

**COLASPHALT TACK** can be diluted up to 50/50 with water or not diluted at all. Typical spray rates range from 0.45 to 0.8 L/m<sup>2</sup> (0.1 to 0.18 gal/yd<sup>2</sup>) when used for fog seals in its diluted form. Adjustments to this spray rate may be required depending on the surface texture or existing degree of cracking.

#### TEMPERATURE VISCOSITY CURVE



#### CERTIFICATION OF QUALITY

**McAsphalt Industries Limited** is accredited to the quality management standard **ISO 9001**, the environmental management standard **ISO 14001**, and the occupational health and safety standard **ISO 45001**.

Each lot of **COLASPHALT TACK** is produced using the strictest quality, safety, and environmental guidelines. Each production lot is tested to ensure it meets or exceeds all performance requirements and is delivered with a Certificate of Analysis.

#### PACKAGING, STORAGE AND HANDLING

- **COLASPHALT TACK** should be stored in bulk tanks, ideally vertical to minimize surface area
- Do not allow **COLASPHALT TACK** to either freeze or boil: it will break. Safe storage temperatures range from 10°C (50°F) to 85°C (185°F).
- Store **COLASPHALT TACK** in approved steel tanks. Do not allow the emulsion to boil or to freeze.
- **COLASPHALT TACK** emulsion is available in the following packaging:
  - 205 L steel drums with bung hole
  - 1000 L plastic totes
  - bulk loaded in non-insulated distributor or tank trucks

#### PRODUCT SUPPORT

With the **MCA Advantage**, you get a partner and advisor who will consult with you about designs, specifications, technical services, processes, and material selection. By developing innovative, custom-designed products that offer additional benefits such as peak performance in unique conditions, improved field performance, and greater environmental and health benefits, the **MCA Advantage** provides significant long-term cost savings, resulting in lower total cost of ownership.



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