

# CLEAN BOND COAT

## NON-TRACKING EMULSION FOR TACK AND FOG COATS

### PRODUCT DESCRIPTION

**CLEAN BOND COAT** can be formulated as a cationic or anionic slow setting asphalt emulsion that is designed for various paving and industrial uses. Its specific formulation allows for a faster curing than traditional tack coats, as well as a non-tracking, non-tacky finish.

**CLEAN BOND COAT** emulsion has been designed for stability throughout application, yet allowing for very quick curing times in the field in various applications thus leading to shorter return to traffic.

### GENERAL PRODUCT FEATURES

- Can be formulated as an anionic or cationic emulsion
- Fast curing when used as a tack coat or fog seal
- Provides a non-tracking finish when cured, allowing the sprayed pavement surface to be open to construction traffic without the tack coat being damaged.
- Because of its non-tracking behaviour, surfaces can be sprayed prior to paving for longer distances and longer times, sometimes several days before paving
- Viscosity is low and may be further reduced with the addition of potable water
- Provides good coating of dense graded, high fines content aggregates, as well as over clean chips.
- Seals minor cracks on existing chip seal/HMA
- Renews aged surfaces and prevents further oxidation
- Prevents slippage planes between layers
- Helps prevent ravelling/stone loss on new or existing chip seal/HMA roads
- Reduces snow plough damage, which is otherwise often experienced on chip sealed roads
- May help reduce window claims seen during new chip seal construction by aiding in stone retention

### RECOMMENDED USE

**CLEAN BOND COAT** emulsion is formulated for successful use as tack coat, fog seal, and dust suppressant.

#### TACK COATS

Clean Bond Coat applied to an existing pavement surface will provide a bond with the new asphalt lift. It will deliver a strong bond and it will not track under construction traffic.

#### FOG SEALS

Clean Bond Coat is applied to an existing old asphalt surface or to a new or old seal coating. Because of its quick cure and non-tracking properties, conventional sand blotting is often not required.

#### DUST CONTROL

Clean Bond Coat is ideal for spraying on low volume, unpaved roads as a means of dust control. This emulsion is usually diluted with water to further decrease its viscosity to enhance its penetration into the existing surface.

### SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC RANGE	
		Min	Max
<b>Tests on Emulsion</b>			
SF Viscosity, 25°C, SFs	<b>28</b>	20	...
Sieve Test, 850 µm, %	<b>0.02</b>	...	0.1
Dist. Residue, 260°C, %	<b>60.5</b>	55	...
Oil Portion of Dist., %	<b>0</b>	...	trace
Particle Charge	<b>(-) or (+)</b>	(-) or (+)	
<b>Tests on Residue</b>			
Penetration, 25°C, dmm	<b>35</b>	20	55
Ash Content, %	<b>0.15</b>	...	1.0

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### APPLICATION GUIDELINES

#### TACK COATS

**CLEAN BOND COAT** emulsion can be applied non-diluted, or diluted up to 50/50 with water. The typical Clean Bond Coat spray rates when used diluted for tack coats range from 0.25 to 0.70 L/m<sup>2</sup> (0.05 to 0.15 gal/yd<sup>2</sup>).

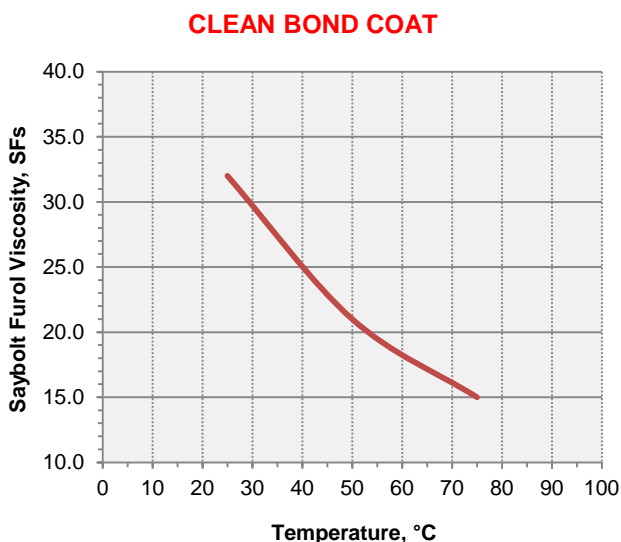
#### FOG SEALS

**CLEAN BOND COAT** emulsion can be applied non-diluted, or diluted up to 50/50 with water. A spray rate in the order of 0.45 to 0.8 l/m<sup>2</sup> (0.1 to 0.18 gal/yd<sup>2</sup>) for diluted Clean Bond Coat is used for Fog Seals. Adjustments might be needed, depending on the surface texture or degree of cracking.

#### DUST CONTROL

**CLEAN BOND COAT** emulsion is usually applied diluted up to 50/50 with water when used for dust control. The diluted Clean Bond Coat is sprayed in repeated light applications at a rate of 0.45 to 2.25 l/m<sup>2</sup> (0.1 to 0.5 gal/yd<sup>2</sup>), depending on the condition of the existing surface.

### TEMPERATURE – VISCOSITY CURVE



### PACKAGING, STORAGE AND HANDLING

**CLEAN BOND COAT** emulsion is available in the following packaging:

- 20 litre pails
- 205 litre bung head steel drums
- 1000 litre plastic totes
- Bulk form, loaded on non-insulated distributor or tank trucks

Store the **CLEAN BOND COAT** emulsion in approved steel tanks. Do not allow the emulsion to boil or to freeze.

### CERTIFICATION OF QUALITY

**McAsphalt Industries Limited** is accredited to the quality standard **ISO 9001** and to the environmental standard **ISO 14001**.

Each lot of **CLEAN BOND COAT** 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 it is delivered with a Certificate of Analysis.

### PRODUCT SUPPORT

With the **MCA Advantage**, you get a partner and advisor who will consult with you about mix design, specifications, technical services and the selection of materials to develop innovative, modified products that can be custom-designed to offer additional benefits, such as peak performance in unique conditions, improved field performance, 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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