RFQ-MCC-2515
Addendum #2

To All Bidders of RFQ-MCC-2515:

Please note: the following addendum applies to RFP-MCC-2515 and shall be taken into consideration when preparing bid documents.

This Addendum is issued to clarify and confirm the following bidder inquiry:

Question:
Would Clean Bond Coat be accepted as a sealcoating product for this project?

Response:
Yes, the material as specified in the following product data sheet documents is appropriate for the sealcoating application.

A signed copy of each Addendum must also be included with the bid submission. Failure to include this Addendum may be cause for rejection. If you have any questions, please contact Shelby Hum at shelbyhum@cumberlandcounty.ns.ca

ALL OTHER SPECIFICATIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.

Acknowledgement by Bidder:

Company Name: _____

Print Name: _____

Signed: _____

Date: _____

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
- 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 or washed chips.
- Seals minor cracks on existing chip seal/HMA and enriches surface
- 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 damage, which is otherwise often experienced on chip sealed roads
- May help reduces 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
Tests on Emulsion			
SF Viscosity, 25°C, SFs	**28**	20	60
Sieve Test, 850 μm, %	**0.02**	...	0.1
Settlement, 5 days, %	**2.1**	...	5.0
Dist. Residue, 260°C, %	**60.5**	55	...
Oil Portion of Dist., %	**0**	...	trace
Particle Charge	**(-) or (+)**	(-) or (+)	
Tests on Residue			
Penetration, 25°C, dmm	**35**	25	50
Ash Content, %	**0.15**	...	1.0

McASPHALT INDUSTRIES LIMITED
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ISO 9001/14001

CLEAN BOND COAT

NON-TRACKING EMULSION FOR TACK AND FOG COATS

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^2 (0.05 to 0.15 gal/yd^2).

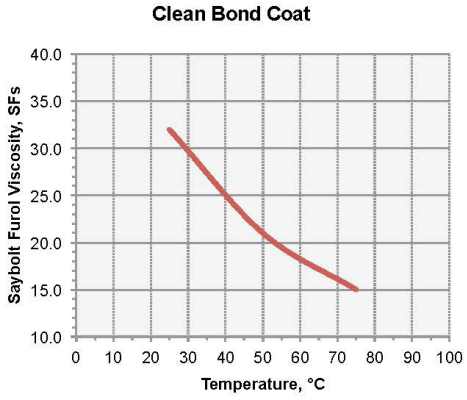
FOG SEALS

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^2 (0.1 to 0.18 gal/yd^2) 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^2 (0.1 to 0.5 gal/yd^2), 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 liter pails
- 205 liter bung head steel drums
- 1000 liter 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 9001:2008** and to the environmental standard **ISO 14001:2004**.

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, and significant long-term cost savings, resulting in lower "total cost of ownership".

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SPECIFICATION

CLEAN BOND COAT EMULSION

TERMINALS ALL CANADA

SPECIFICATION INTERNAL

TESTS ON EMULSION	TEST METHOD	MINIMUM	MAXIMUM
Saybolt-Furol Viscosity, 25°C, SFS	ASTM D7496	**20**	**60**
Sieve Test, % by mass	ASTM D6933	...	**0.1**
Particle Charge	ASTM D7402	**Negative or Neutral**	
Settlement, 5 days, %	ASTM D6930	...	**5.0**
Residue by Distillation, 260°C, % by mass	ASTM D6997	**55.0**	...
Residue by Evaporation, % by mass	ASTM D6997	...	**trace**
TESTS ON RESIDUE			
Penetration, 25 °C, dmm	ASTM D5	**25**	**50**
Ash Content, % mass of residue	ASTM D2939	...	**1.0**

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End of Addendum #2