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 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

<table>
<thead>
<tr>
<th>TEST</th>
<th>TYPICAL DATA</th>
<th>SPEC RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF Viscosity, 25°C, SFs</td>
<td>28</td>
<td>20 – …</td>
</tr>
<tr>
<td>Sieve Test, 850 µm, %</td>
<td>0.02</td>
<td>… – 0.1</td>
</tr>
<tr>
<td>Dist. Residue, 260°C, %</td>
<td>60.5</td>
<td>55 – …</td>
</tr>
<tr>
<td>Oil Portion of Dist., %</td>
<td>0</td>
<td>… – trace</td>
</tr>
<tr>
<td>Particle Charge</td>
<td>(-) or (+)</td>
<td>(-) or (+)</td>
</tr>
<tr>
<td>Penetration, 25°C, dmm</td>
<td>35</td>
<td>20 – 55</td>
</tr>
<tr>
<td>Ash Content, %</td>
<td>0.15</td>
<td>… – 1.0</td>
</tr>
</tbody>
</table>
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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/m² (0.05 to 0.15 gal/yd²).

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/m² (0.1 to 0.18 gal/yd²) 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/m² (0.1 to 0.5 gal/yd²), 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.”