AD-HERE® LOF 65-00 EU
Bitumen Performance-Improving Additive

CHEMISTRY FOR MOISTURE DAMAGE PROTECTION

ADHERE LOF 65-00 EU is a bitumen performance-improving additive, engineered to provide robust moisture damage protection and improved mix workability. AD-HERE LOF 65-00 EU is added directly to the bitumen and is used to design bitumens that conform to typical specifications including T283: Method of Test for Resistance of Compacted Bituminous Mixture to Moisture Induced Damage, AASHTO T324: Method of Test for Hamburg Wheel-Track Testing of Compacted Hot Mix Asphalt (HMA), AASHTO R35: Standard Practice for Superpave Volumetric Design, as well as equivalent BS EN test standards.

APPLICATIONS
Bitumen Paving

FEATURES AND BENEFITS

EASILY PASS ROLLING BOTTLE AND HAMBURG WHEEL TESTS
Promotes increased coating and chemical adhesion of bitumen to aggregate for stronger moisture damage resistance

BETTER WORKABILITY
Adds workability to mix for easier hand-work

LOWER ODOR AND LOWER SMOKE
Formulated to emit minimal odor and smoke when added to bitumen for improved plant personnel and paving crew comfort

COMPATIBILITY

BITUMEN
Compatible with most bitumen types including those modified with styrene-butadiene-styrene (SBS), styrene-butadiene rubber (SBR), ethylene-vinyl acetate (EVA) polymers, and ground tire rubber (GTR)

AGGREGATES
Compatible with various mineralogies including granite, diabase, diorite, basalt, chert, limestone, dolomite, marble, sandstone, slag and recycled asphalt pavement (RAP)

USE AD-HERE LOF 65-00 EU WHEN YOU NEED:
• Passing Rolling Bottle and Hamburg test results
• A low-odor additive
USAGE RECOMMENDATIONS

NEAT AND POLYMER-MODIFIED BITUMENS:
- 0.25 - 0.75% by weight of total bitumen in mix
- Usage rate should be determined by user based on degree of aggregate coating and moisture sensitivity testing at desired production temperature

OPTIONS FOR ADDING AD-HERE LOF 65-00 EU TO BITUMEN:
1. Add to bitumen storage tank and agitate mechanically or through pump circulation
2. Add at bitumen terminal by injecting into bitumen line as transport tanker is being charged
3. Add at asphalt plant by in-line injecting into the bitumen line (continuous plant) or weigh hopper (batch plant)

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, 25 °C</td>
<td>Dark-Colored Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Amine</td>
</tr>
<tr>
<td>Density, 25 °C</td>
<td>0.97 kg/L</td>
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<tr>
<td>Viscosity, 25 °C</td>
<td>1,650 cP</td>
</tr>
<tr>
<td>TSCA Inventory</td>
<td>Listed</td>
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<tr>
<td>REACH</td>
<td>Compliant</td>
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<tr>
<td>C.A.S. Number</td>
<td>Proprietary</td>
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</tbody>
</table>

*The density and viscosity data reported are typical and not specifications. Typical ranges for density and viscosity values are ± 2% and ± 20%.

HANDLING AND STORAGE

Always handle AD-Here LOF 65-00 EU products in accordance with Safety Data Sheet (SDS) and Road Science Asphalt Additives Handling and Storage Guidelines document. Avoid product contamination with other materials. Do not store product in excess of 60 °C for prolonged periods. Recommended product handling temperature range is 27–50 °C.

AVAILABILITY

AD-Here LOF 65-00 EU is available for shipment in bulk by rail car and tank truck. Packaged quantities are available in 1,000 L IBC totes (952.5 kg net weight) and 208 L metal drums (190.5 kg net weight).

TECHNICAL SUPPORT

To request additional product information, contact your regional Road Science representative. You can also contact us at 918-960-3800 or customerservice@roadscience.net, or visit our website at www.roadscience.net.

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