AD-HERE® 77-00
Asphalt Mix Performance-Improving Additive

TECHNICAL DATA SHEET

INDUSTRY’S LEADING AND MOST TRUSTED LINE OF LIQUID ANTI-STRIPS

For 25 years and counting, the AD-here brand of liquid anti-strips continues to be the market leader most relied on by industry stakeholders. More than any other, it is the most trusted line of liquid anti-strips for extending pavement life by protecting from moisture damage and resultant pavement distresses such as raveling, pothole development and rutting. AD-here 77-00 is formulated to deliver reliably good tensile strength ratio (TSR) performance with a wide variety of asphalt and aggregate combinations. AD-here 77-00 is used to design mixes that conform to typical specifications, including AASHTO 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) and AASHTO R35: Standard Practice for Superpave Volumetric Design.

APPLICATIONS

Asphalt Paving

FEATURES

MOST TRUSTED FOR 25 YEARS AND COUNTING
Long-lasting, proven reputation in industry for leadership in quality, effectiveness and integrity

RELIABLE ANTI-STRIPPING EFFECTIVENESS
Passes tensile strength ratio (TSR) and Hamburg Wheel-Track tests with a wide variety of asphalt and aggregate combinations

HEAT STABILITY
Remains effective several weeks in hot asphalt

NO HEATED STORAGE REQUIRED
Easy to handle and pump in cold temperatures

COMPATIBILITY

ASPHALT
Compatible with most asphalts including those modified with styrene-butadiene-styrene (SBS), styrene-butadiene rubber (SBR), ethylene-vinyl acetate (EVA) polymers, ground tire rubber (GTR) and recycled asphalt shingles (RAS)

AGGREGATE
Compatible with various aggregate types including granite, diabase, diorite, basalt, gabbro, rhyolite, andesite, dacite, chert, quartzite, gneiss, limestone, dolomite, marble, sandstone, natural sand and gravel, slag and recycled asphalt pavement (RAP)

USE AD-HERE 77-00 WHEN YOU NEED:

- A reliable and proven anti-strip most trusted by State and Provincial Departments of Transportation (DOT)
- To pass TSR and Hamburg tests
- An additive that pumps easily at cold temperatures
USAGE RECOMMENDATIONS

NEAT AND MODIFIED ASPHALTS

- 0.25 – 0.75% by weight of total asphalt 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 77-00 TO ASPHALT:

1. Add to asphalt storage tank and agitate mechanically or through pump circulation
2. Add at asphalt terminal by injecting into asphalt line as transport tanker is being charged
3. Add at asphalt mix plant by in-line injecting into the asphalt line (continuous plant) or weigh hopper (batch plant)

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Column Heading</th>
<th>Column Heading</th>
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<tbody>
<tr>
<td>Appearance, 77 °F (25 °C)</td>
<td>Dark Brown</td>
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<tr>
<td>Odor</td>
<td>Ammoniacal</td>
</tr>
<tr>
<td>Density, 77 °F (25 °C)</td>
<td>8.7 lb/gal (1.04 kg/L)</td>
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<tr>
<td>Viscosity, 77 °F (25 °C)</td>
<td>700 cP</td>
</tr>
<tr>
<td>TSCA Inventory</td>
<td>Listed</td>
</tr>
<tr>
<td>DSL Inventory</td>
<td>Listed</td>
</tr>
<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 77-00 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 140 °F (60 °C) for prolonged periods. Recommended product handling temperature range is 70 – 120 °F (21 – 50 °C).

AVAILABILITY

AD-Here 77-00 is available for shipment in bulk by rail car and tank truck. Packaged quantities are available in 275 gal/1,000 L IBC totes (2,300 lb/1040.3 kg net weight) and 55 gal/208 L steel drums (440 lb/199.6 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.