

ArrTekk[®] 1295

Cationic (+) Micro-Surfacing Emulsifier

Chemistry to Lengthen Micro-Surfacing Life Cycle and Enable Mix Control in Harsh Conditions

ArrTekk 1295 is an asphalt emulsifier chemical used to produce high-performing micro-surfacing emulsions conforming to typical specifications, including the International Slurry Surfacing Association's (ISSA) *A143: Recommended Performance Guideline For Micro-Surfacing*.

A preventative maintenance application, micro-surfacing provides an aesthetically pleasing skid-resistant surface that restores pavement profile and seals the underlying pavement, protecting it from further deterioration.

Applications: Micro-Surfacing

Features and Benefits:

Extended Micro-Surfacing Life Cycle

Strong adhesion for less whip-off, less raveling and lower 6-day Wet-Track Abrasion (WTAT) loss provides greater durability and longer life cycle

Easy Mixing and Lay-Down in Extremely Hot Conditions

Plenty of mix time with warm pavement, aggregate, air and emulsion temperatures for easy lay-down and greater production rates

Quicker Traffic Return Time in Cool Conditions and Night Time Paving

Easy control of chemical break in cooler weather and at night for sooner traffic return and greater production rates

Use ArrTekk 1295 When You Need an Emulsion for:

- Micro-surfacing that is more durable and lasts longer
- Micro-surfacing that can be applied in hot conditions without struggle
- Faster return of traffic
- Better WTAT performance

Compatibility:

Asphalt

Easily emulsify all asphalt types including paraffin-rich and SBS-modified

Polymer Modifiers

Compatible with SBR and natural latexes

Aggregates

Can be formulated to perform with both reactive and unreactive aggregates of various types, including granite, diabase, basalt, chert, limestone and sandstone

Usage Recommendations:

Typical Emulsion Formulation:

ArrTekk 1295:	1.2 – 2.0%
Hydrochloric Acid (HCl):	To soap pH of 1.4 – 2.0
SBR or Natural Latex:	3.0 – 3.5%

Typical total residue of emulsion is 62 – 65%. Percentages are by weight of emulsion.

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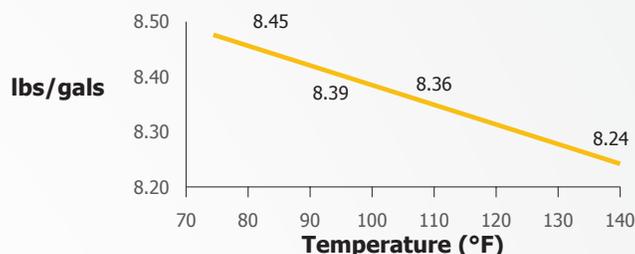
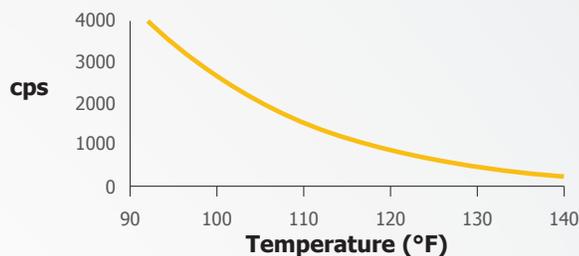
Availability:

ArrTekk 1295 is available for shipment in bulk by rail car and tank truck. Packaged quantities are available in 275 gal/1,041 L IBC totes (2,200 lb/997.9 kg net weight) and 55 gal/208 L metal drums (420/190.5 kg net weight).

Physical Characteristics:

Property:	Description:
Appearance, 77°F (25°C)	Straw-Colored Viscous Liquid
Odor	Amine
Density, 77°F (25°C)	8.45 lbs/gal (1.01 kg/L)
Viscosity, 120°F (50°C)	1,150 cps
Pour Point	< 70°F (21°C)
TSCA Inventory	Listed
C.A.S. Number	Proprietary

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



Handling and Storage:

Always handle ArrTekk products in accordance with Safety Data Sheet (SDS) and proper safety procedures. Avoid product contamination with other materials. Do not heat product in excess of 160°F (71°C) for prolonged periods. Recommended product storage and handling temperature range is 120 – 140 °F (50 – 60°C).

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.