

ArrTekk[®] 1295LV

Cationic (+) Micro-Surfacing Emulsifier

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

ArrTekk 1295LV is an asphalt emulsifier chemical used to produce high performing micro-surfacing emulsions conforming to typical specifications, including the International Slurry Surfacing Association (ISSA) A143 Recommended Performance Guideline For Micro-Surfacing. ArrTekk 1295LV is water soluble and can also be used as a break control additive to extend mixing times in the field when added through the paving machine. 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**

Break Control Additive

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

Easy to Handle

Low viscosity and water soluble

Use ArrTekk 1295LV When You Need:

- 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 1295LV	Hydrochloric Acid (HCl)	SBR or natural Latex
Micro-Surfacing:	3.0 - 4.0% by weight of emulsion	to soap pH of 1.4 - 2.0	3.0 - 3.5%
Break Control Additive:	0.03 - 0.06% by weight of dry aggregate		

Typical total residue of emulsion is 62 – 65%.

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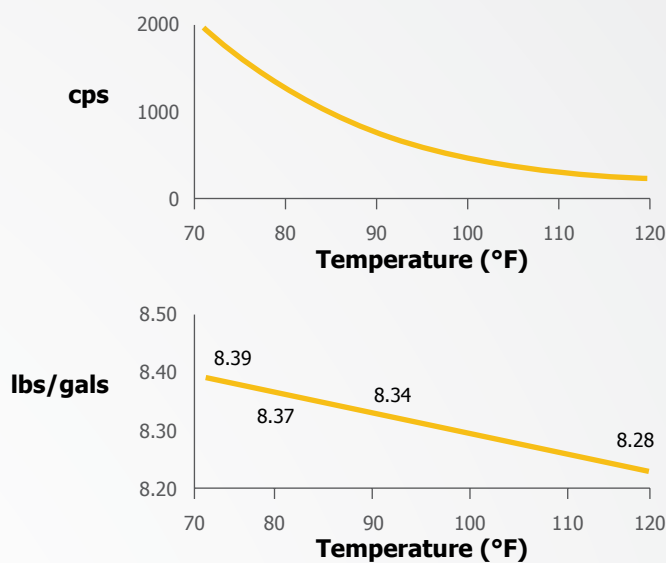
Availability:

ArrTekk 1295LV is available for shipment in bulk by railcar and tanktruck. 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 (440 lb/199.6 kg net weight).

Physical Characteristics:

Property:	Description:
Appearance, 77°F (25°C)	Straw-Colored Liquid
Odor	Amine
Density, 77°F (25°C)	8.37 lbs/gal (1.00 kg/L)
Viscosity, 77°F (25°C)	1,700 cps
Pour Point	< 45°F (7°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 ± 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 140°F (60°C) for prolonged periods. Recommended product storage and handling temperature range is 70 – 120 °F (21 – 49°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.