

TECHNICAL DATA SHEET

WARMGRIP® ULTRA 2C

WARM AND HOT MIX ASPHALT ADDITIVE FOR IMPROVED COMPACTION

WarmGrip® ULTRA 2C is an asphalt additive that allows for easier field compaction and stronger adhesion of the asphalt binder to aggregate. It safeguards pavements against destructive forces such as traffic loading, water intrusion and oxidation, leading to reduced pothole formation, cracking and rutting for safer, smoother and longer-lasting roads.



Applications

- Hot mix Asphalt additives
- Warm mix Asphalt additives

FEATURES & BENEFITS

- Improves Field Compaction: Enables increased mat density with fewer roller passes, even with high recycled asphalt pavement (RAP) mixes
- Reliable Anti-stripping Effectiveness: Passes tensile strength ratio (TSR) tests
- Improves mix workability enables easier hand-work in paving applications
- Heat Stability Remains effective several weeks in hot asphalt - No Heated Storage Required, Easy to handle and pump in cold temperatures

COMPATIBILITY

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

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.

WarmGrip® ULTRA 2C 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 and AASHTO R35: Standard Practice for Superpave Volumetric Design.

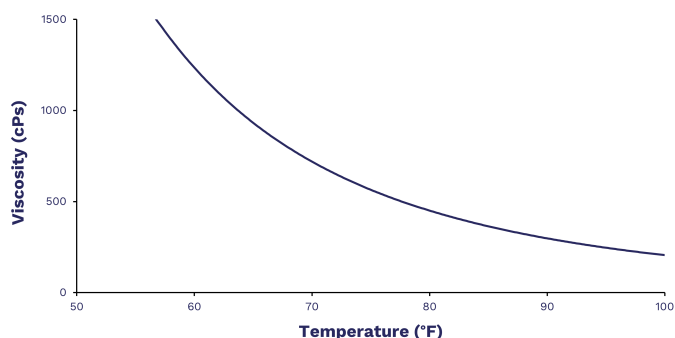
WARMGRIP® ULTRA 2C

TYPICAL PHYSICAL CHARACTERISTICS*

PROPERTY	VALUE
Appearance	Dark liquid
Odor	Strong Ammoniacal
Density (25°C/77°F)	0.96 g/cm ³ (7.63 lbs/gal)
Viscosity (25°C/77°F)	500 cP
CAS Number	Proprietary
TSCA Inventory	Listed

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

PHYSICAL PROPERTIES



STORAGE AND HANDLING

Always handle WarmGrip® ULTRA 2C in accordance with the Safety Data Sheet (SDS) and Arkema Asphalt Additives Handling and Storage Guidelines document. Avoid product contamination with other materials. Recommended product handling temperature range is 50–120°F (10–50°C).

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