

REDICOTE® C-320

Application

Redicote C-320 is a cationic asphalt emulsifier formulated for use in quickset slurry seal and microsurfacing emulsions, using phosphoric acid.

Advantages

- *Suitable for low-acid value asphalts:* Slurries based on Redicote C-320 emulsions show rapid cohesion development, even with low acid value asphalts.
- *Convenient control of mix time:* The Redicote C-320 slurry system responds to break control agents like Redicote E-11.
- *Low corrosivity:* The emulsion has a higher pH than typical microsurfacing emulsions based on hydrochloric acid

Typical Emulsion Formulation

| | Asphalt | Microsurfacing |
|----------------------------------|---------|----------------|
| Asphalt | | 62 |
| Redicote C-320 | | 0.8 - 1.5 |
| Phosphoric acid | | 0.5 – 0.8 |
| pH soap | | 2.5 – 3.5 |
| Polymer (as solids) ¹ | | 2.0 - 3.0 |
| Water | | to 100 |

¹) synthetic or natural latex or SBS modified binders may be used.

Physical Properties

| | |
|--------------------|---------------|
| Appearance at 25°C | Brown liquid |
| Pour Point, °C | 0(32°F) |
| Flash Point, °C | >100 (>212°F) |

| | | | | | |
|-----------------------|------|------|------|------|----|
| | 10 | 20 | 30 | 40 | °C |
| | 50 | 68 | 86 | 104 | °F |
| Viscosity, mPa.s (cP) | 155 | 78 | 54 | 40 | |
| Density, g/cc | 0.89 | 0.88 | 0.87 | 0.87 | |
| Density, lbs/gal | 7.43 | 7.35 | 7.30 | 7.26 | |

Storage and Handling

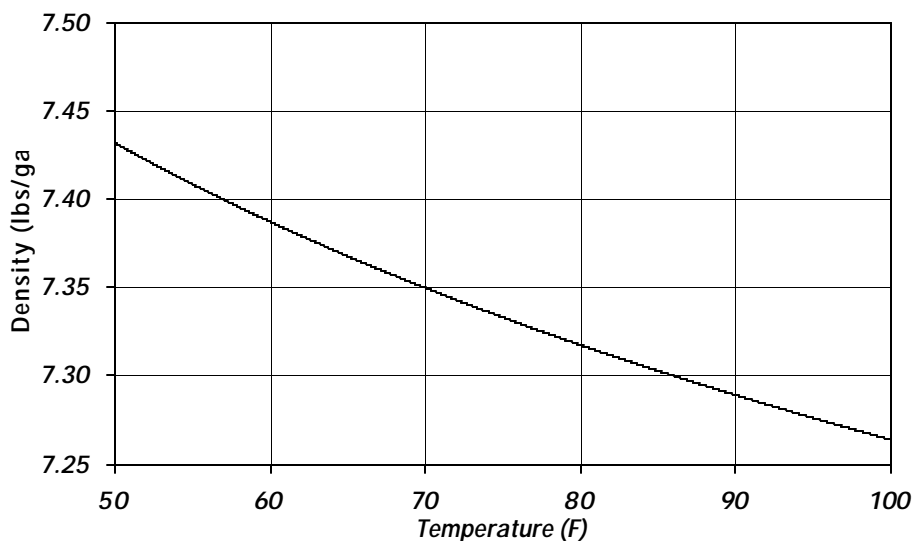
Redicote C-320 may be stored in carbon steel tanks. Bulk storage should be maintained at 10-30°C (50-86°F). Avoid heating to above 65°C (150°F). Protect against exposure to moisture.

Redicote C-320 contains amines and may cause severe irritation or burns to skin and eyes. Protective gloves and safety goggles must be used when handling this product. For further information consult the Material Safety Data Sheet.

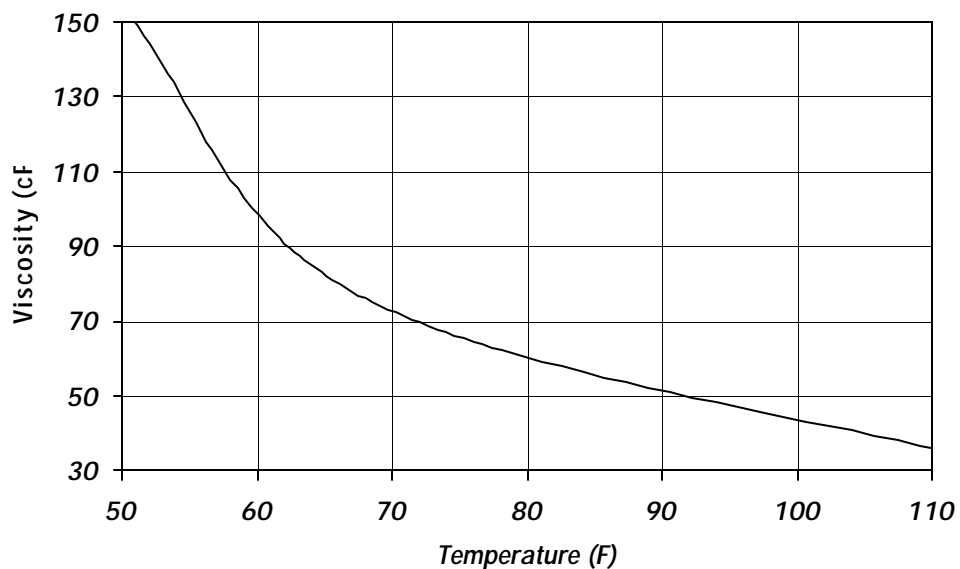
Packaging Information

Redicote C-320 is available in bulk shipments or in 55-gallon tight-head drums of 400 lb. (181 kg.) net weight.

Density vs. Temperature



Viscosity vs. Temperature



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