Epoxy System Kwik Kick

Description
Kwik Kick curing agent is a low color, low viscosity modified cycloaliphatic amine intended for ambient or low temperature curing of liquid epoxy resins. The KK System gives high gloss, high strength films that are resistant to a variety of chemicals. These properties make it ideal for use in sports equipment, floorings, maintenance coatings, tank linings, and secondary containment linings. It's very low color and good color stability and fast set times make it appropriate for numerous production applications.

Advantages
- Very low color and good color stability
- Good chemical resistance
- High gloss
- Good resistance to amine blush
- Low viscosity
- Fast production times
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Applications
- High-solids coatings
- Self-leveling and pebble finish flooring
- Chemically resistant tank linings
- Sports equipment

Storage Life
At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from heat and excessive humidity in tightly closed containers.

Handling Precautions
Refer to the Material Safety Data Sheet

Typical Properties
Appearance Clear Liquid
Color (Gardner) 1
Viscosity @ 77 °F (cP) 1200 mixed
Amine Value Hardener (mg KOH/g) 360
EEW Resin 180
Specific Gravity @ 77 °F 1.2
Density @ 77 °F (lb/gal) 8.7 mixed
Flash Point (CC) Hardener (°F) 205
Flash Point Resin NA
Recommended Use Level:
45phr weight or 50phr volume

Typical Handling Properties
Mixed Viscosity @ 77 °F (cP) 1200
Gel Time (150g mix @ 77 °F) (min) 18
Thin Film Set Time
@ 77 °F (hr) 1.5
@ 50 °F (hr) 4
Peak Exotherm (150g mix @ 77 °F) (°F) 184
Peak Exotherm Time (min) 24

Typical Performance
(7 day cure @ 77 °F)
Heat Deflection Temperature (°F) 125
Tensile Strength (psi) 11,500
Tensile Modulus 488,000
Tensile Elongation (%) 3.4
Flexural Strength (psi) 16,500
Flexural Modulus 550,000
Hardness (Shore D) 84
Compression Yield 17,000
Mar Resistance (kg) — 1.20

Typical Cure Schedule
2–7 days at ambient temperature.
* For information on comparison results with our other resins please refer to www.resinresearch.net

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