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KINGMIDE 315-S

KINGMIDE 315-S is a high viscosity, reactive polyamide resin designed for use with liquid epoxy resins to achieve cure at room temperature. KINGMIDE 315-S are suitable for use in adhesives, civil engineering, high solids anti-corrosive coatings for marine and maintenance coatings where excellent adhesion, good flexibility and toughness, good water and corrosion resistance are required. Compare with KINGMIDE 315, KINGMIDE 315-S get shorter pot life.

1. SPECIFICATIONS

Appearance	: Brown-colored viscous liquid.
Viscosity (40°C)	: 8,000 ~ 12,000 mPa·s
Colour (Gardner)	: 11 Max.
Amine Value	: 335 ±15 (JIS method)
Specific Gravity	: 0.97 (25 / 25°C)
Flash Point	: 120°C

2. RECOMMENDED MIXING RATIO

- (1) 50~100 parts by weight to 100 parts of bisphenol-A type epoxy resin whose epoxy equivalent weight is about 190.
- (2) 15~35 parts by weight to 100 parts of bisphenol-A type epoxy resin whose epoxy equivalent weight is about 470.

3. CURING CHARACTERISTICS

Epoxy resin	: Employed Bisphenol-A type epoxy resin whose EEW is 190.
Total mass	: 100g
Room temperature	: 23°C

Epoxy resin / KINGMIDE 315-S	100 / 50	100 / 60	100 / 70
Peak exothermic time (min)	121	116	114
Peak exothermic (°C)	38	41	42