

Ancamide[®] 3507 Curing Agent

DESCRIPTION

Ancamide[®] 3507 Curing agent is a polyamide adduct developed for use with epoxy resins in solvent-based surface coatings applications. It is supplied as a 60% (w/w) solids solution in n-butanol / xylene / C9-aromatic hydrocarbons. Special features of this adducted polyamide include good epoxy resin compatibility, high flexibility, excellent adhesion and cure under adverse conditions.

FEATURES/BENEFITS

- Good corrosion resistance
- Fast touch dry
- Excellent adhesion
- Good flexibility

APPLICATIONS

- Solvent based marine and protective coatings
- Primers, mid- or top coats

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamide 3507.

SHELF LIFE

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

TABLE 1: TYPICAL PROPERTIES

Appearance clear amber liquid	2
Colour¹ (Gardner) ≤10	376
Viscosity² @ 25°C (mPa.s) 300-900	1.06
Amine Value³ (mg KOH/g) 145-170	350
Specific Gravity @ 21°C 0.93	376
Equivalent Wt/{H} 410	1.06
Solids content (%) 58-62	350
Recommended Use Level 4 (PHR) 60	376
Density (g/ml)	1.06
Viscosity @ 25°C (cPs)	350

TABLE 2: TYPICAL HANDLING PROPERTIES

Gel Time⁵ @ 25°C (min)	120-150
Thin Film Set Time⁶ @ 23°C (h)	5
PersoZ Pendulum Hardness⁷ 24 h @ 23°C (s)	120
Carbamation Resistance⁸ (Scale 1-5, 5=best)	5
Typical cure schedule	2-7 days

Footnotes:

- (1) ASTM D 1544
- (2) Brookfield RVTD, spindle 4
- (3) Perchloric Acid Titration
- (4) With bisphenol-A based epoxy resin solution (EEW=ca. 670)
- (5) Techne GT-5 Gelation Timer, 150 g mix with bisphenol-A based epoxy resin (EEW=190)
- (6) ASTM D 5895 - BK Drying Recorder, Phase 3
- (7) ASTM D 4366
- (8) ISO 2812 (wet patch method), after 24hrs @ 23°C

Epoxy Curing Agents and Modifiers

Ancamide[®] 3507 Curing Agent

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