

VERSAMID® 100

USE Versamid® 100 is a semi-solid, reactive polyamide resin designed for use with solid or liquid epoxy resins for room temperature cure thermoset coating applications.

KEY FEATURES AND BENEFITS

- Long pot life with short tack-free times
- High equivalent weight
- FDA compliant*

CHEMICAL COMPOSITION

Polyamide resin based on dimerized fatty acid and polyamines

SPECIFICATIONS	Amine Value, mg KOH/g.....	85 - 95
	Viscosity, Brookfield, cP @ 120 °C.....	3000 - 5000
	Gardner Color	9 max.

TYPICAL PROPERTIES	Amine Value, mg KOH/g.....	90
	Amine hydrogen equivalent weight (theoretical)	525
	Density, lbs/gal	8.1
	Flash point (Seta).....	> 200 °F

APPLICATION PROPERTIES Versamid® 100 is a semi-solid, reactive polyamide resin designed for use with solid or liquid epoxy resins for room temperature cure thermoset coating applications. Versamid® 100 and epoxy resin systems provide long pot lives and fast tack-free formulations. Formulations based on this resin system cure less quickly than Versamid® 115 systems and exhibit somewhat lower chemical and solvent resistance than Versamid® 125 coating systems. Versamid® 100 and epoxy resin systems are recommended for applications such as: Maintenance coating applications, primers, and enamel paint formulations.

VERSAMID® 100 (cont.)

APPLICATION DATA

PROCESSING

Mix ratio with 525 EEW solid epoxy is 100 phr. Due to chemical reaction, Versamid® 100 and epoxy resins should not be mixed until just prior to use.

Typical Chemical Resistance Properties (24 hour 5 spot test)

Chemical	Results
10% Acetic acid	Softening, blistering
10% Hydrochloric acid	Softening, discoloration
10% Sulfuric acid	Softening, discoloration
10% Sodium Hydroxide	No effect
Methyl ethyl ketone	Softening, blistering
Xylene	Softening, loss of gloss
Mineral spirits	Slight softening
Distilled water	Slight softening

Typical Properties of a Versamid® 100 Cured Coating

Tack Free Time, hours	1.5
Through-cure time, hours.....	48
Pot Life, hours.....	18

REGULATORY STATUS

TSCA (USA), DSL (Canada), PICCS (Philippines), AICS (Australia), ENCS/MITI (Japan), IECS (China), EINECS (EU)

PACKAGING, STORAGE AND HANDLING

VERSAMID® 100 is shipped in lined 55 gallon steel drums. VERSAMID® 100 should be kept in tightly closed containers when not in use and stored in a cool, dry place.

Additional handling information is contained in a material safety data sheet which is available on request.

SHIPPING POINT

Rock Hill, South Carolina

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