

VERSAMID® 100 Polyamide Curing Agent

Product Description

VERSAMID® 100 is a semi-solid, reactive polyamide resin based on dimerized fatty acid and polyamines 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.

Applications

- Chemical resistant coatings
- Adhesives
- Maintenance coating
- Primers
- Enamel paint formulations

Features

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

Key Specified Properties

Property	Value
Color, Gardner, max	9
Viscosity (Brookfield) at 75 °C, cP	3,000 – 5,000
Amine value, mg KOH/g	85-95

Typical Properties

Property	Value
AHEW	525
Amine value, mg KOH/g	90
Density, lb/gal	8.1
Flash point (Seta)	>200°F

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
Ethanol	Slight softening
Distilled Water	Slight softening

Typical Properties of a VERSAMID® 100 Cured Coating

Property	Value
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), IECSC (China), EINECS (EU)

Storage

VERSAMID® 100 should be stored in a dry place, in its sealed original container, at temperatures between **2°C to 40°C (35.6°F to 104°F)**. Under these storage conditions the shelf life is **24 months** from date of manufacture. The product should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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