

## VERSAMID® 140 Polyamide Curing Agent

### Product Description

VERSAMID® 140 Curing Agent is a medium to low viscosity, reactive polyamide designed for use with solid or liquid epoxy resins to provide tough, chemical-resistant thermoset coating applications that cure at room temperature. This curing agent is also useful in adhesive applications. VERSAMID® 140 curing agent and epoxy resin coating systems are more chemical and solvent resistant than VERSAMID® 115 systems and generally lower in viscosity than VERSAMID® 125 systems. It offers a unique combination of hardness and flexibility, along with the highest chemical and solvent resistance of the dimer-based polyamide resin series. All systems based on VERSAMID® 140 curing agent show good resistance against aliphatic hydrocarbons, lubricants, alkaline solutions, and diluted acids, with good to fair resistance against atmospheric agents and water.

### Applications

- Chemical resistant coatings
- Adhesives
- Maintenance coating
- Primers
- High solids enamel paint formulations

### Features

- Room temperature cure
- Combination of hardness and flexibility
- High chemical and solvent resistance
- FDA compliant\*

\*The FDA status of this product is available upon request from the contact information below.

### Key Specified Properties

Property	Value
Appearance	Amber Liquid
Color, Gardner	7 max
Viscosity (Thermosel) at 25 °C, cP	8,000 – 12,000
Amine value, mg KOH/g	370 - 400

### Typical Properties

Property	Value
Active Content	100%
Gardner Color	6
AHEW (theoretical**)	97
Specific Gravity at 25 °C	0.97
Flash point	185°C

*\*\*Please use theoretical H-equivalent as indicative information in so far as the average H-equivalent could be significantly different due to the polymer development (molecular weight distribution) and the purity of commercial amines. These typical values should not be interpreted as specifications.*

### Processing

Mixing ratio suggestions are more reliable as being based on experimental tests. Due to chemical reaction, VERSAMID® 140 and epoxy resins should not be mixed until just prior to use.

Mixing Ratios	190 EEW liquid epoxy (50 – 70 phr)	475 EEW solid epoxy 40% NV (20 – 30 phr)
Pot Life, hours	2 hours	1-2 days
Max Exotherm peak	150°C	--
Tack Free Time, hours	6 hours (200um wet)	2 hours (200um wet)
Minimum application temperature	15°C	15°C

## Storage

**VERSAMID® 140** curing agent 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**

**FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

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