

ANCAMINE® 2519 Curing Agent**DESCRIPTION**

Ancamine 2519 is a modified cycloaliphatic polyamine intended for use as an ambient curing agent for liquid epoxy resin. The product is a low viscosity curing agent which exhibits moderate to good carbamation resistance at 10°C. Ancamine 2519 can be used to formulate high solids coatings, self leveling and screed flooring where good chemical resistance is required.

ADVANTAGES

- Good resistance to carbamation and water-spotting
- Fast cure and development of properties at ambient and low temperature
- Good chemical resistance
- Low viscosity

APPLICATIONS

- Chemically resistant high solids and solvent-free coatings
- Industrial flooring applications such as self-leveling floors and mortar floors
- Accelerator for other curing agents

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2519 curing agent.

TABLE 1: TYPICAL PROPERTIES

Appearance	Clear light yellow liquid
Color (Gardner) ¹	<2
Viscosity @ 25°C [mPa.s] ²	185
Amine Value (mg KOH/g) ³	315
Specific Gravity @ 25°C [g/ml]	1.01
Flash Point (closed cup), [°C]	>100
AHEW	95
Recommended Use Level phr (EEW=190)	50

TABLE 2: TYPICAL HANDLING PROPERTIES

Mixed Viscosity @ 25°C (mPas) ²	1900
Gel Time (150g mix at 25°C), [min] ⁴	23
Thin Film Set Time @ 25°C, [h] ⁵	3.5
Thin Film Set Time @ 10°C, [h] ⁷	16.0
Peak Exotherm (°C) 150 g mass @ 25°C	181
Shore D 20°C (4/8/24 h)	
Shore D 10°C (16/24 h)	
Typical cure schedule	2-7 days

TABLE 3: TYPICAL PERFORMANCE PROPERTIES

Compressive Strength⁶ [Mpa]	77
Compressive Modulus⁶ [Gpa]	2.0
Tensile Strength⁷ [Mpa]	53
Tensile Modulus⁷ [Gpa]	6.7
Flexural Strength⁸ [Mpa]	90
Flexural Modulus⁸ [Gpa]	2.9
HDT [°C]	45

Footnotes:

- (1) Gardner scale
- (2) Brookfield RVT-D, Spindle 4
- (3) Perchloric Acid Titration
- (4) Techne GT-4 Gelation Timer
- (5) BK Drying Recorder
- (6) ISO 604
- (7) ISO 527
- (8) ISO 178

Epoxy Curing Agents and Modifiers

ANCAMINE[®] 2519 Curing Agent

EVONIK CORPORATION

7201 Hamilton Blvd.
Allentown, PA 18195
1 800 345-3148
Outside U.S. and Canada 1 610 481-6799

For Technical Information and Support:

Americas: picus@evonik.com
EMEA: apcse@evonik.com

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