

**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 solid coatings, self-levelling and screed flooring where good chemical resistance is required.

**ADVANTAGES**

- Good resistance to carbamation and waterspotting
- 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-levelling floors and mortar floors
- Accelerator for other curing agents

**SHELF LIFE**

At least 24 months from date of manufacture in original sealed container stored undercover at ambient temperature away from excessive heat and humidity.

**STORAGE AND HANDLING**

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

**TYPICAL PROPERTIES**

<b>Appearance</b>	Clear light yellow liquid
<b>Colour<sup>1</sup> (Gardner)</b>	<2
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	185
<b>Amine Value<sup>3</sup> [mg KOH/g]</b>	315
<b>Specific Gravity @ 25°C</b>	1.05
<b>Flash Point (closed cup), [°C]</b>	>100
<b>AHEW</b>	95
<b>Recommended use Level phr (EEW=190)</b>	50

**TYPICAL HANDLING PROPERTIES**

<b>Mixed Viscosity<sup>2</sup> at 25°C, [mPa.s]</b>	1,900
<b>Gel Time<sup>4</sup> (150g mix at 25°C), [mins]</b>	23
<b>Thin Film Set Time<sup>5</sup> @ 25°C, [h]</b>	3.5
<b>Thin Film Set Time<sup>7</sup> @ 10°C, [h]</b>	16.0
<b>Peak Exotherm (150g mix @ 25°C), [°C]</b>	181

**TYPICAL PERFORMANCE PROPERTIES**

<b>Compressive Strength<sup>6</sup>, [MPa]</b>	77
<b>Compressive Modulus<sup>6</sup>, [GPa]</b>	2.0
<b>Tensile Strength<sup>7</sup>, [MPa]</b>	53
<b>Tensile Modulus<sup>7</sup>, [GPa]</b>	6.7
<b>Flexural Strength<sup>8</sup>, [MPa]</b>	90
<b>Flexural Modulus<sup>8</sup>, [GPa]</b>	2.9
<b>HDT, [°C]</b>	45

Footnotes:

- (1) Gardner scale
- (2) Brookfield RVTD, 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 RESOURCE EFFICIENCY GMBH**

Business Line Crosslinkers  
Paul-Baumann-Straße 1  
45764 Marl  
Germany

[apcsepx@evonik.com](mailto:apcsepx@evonik.com)  
[www.evonik.com/crosslinkers](http://www.evonik.com/crosslinkers)

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