

**ANCAMINE® 1934** Curing Agent**DESCRIPTION**

Ancamine 1934 is a modified cycloaliphatic polyamine adduct intended for use with liquid epoxy resin. The excellent color, good colour stability, long pot-life and excellent moisture tolerance make it particularly suitable for use in high ambient temperature solvent-free and high solids coatings, self leveling flooring and tile grouting applications. Ancamine 1934 may be accelerated with Ancamine 1768 and 2432.

Excellent chemical resistance against water, detergent solutions, alkalis and certain chlorinated hydrocarbons; moderate against inorganic acids, organic acids, hydrocarbons and methylated spirits; poor against ketones, glycol ethers and toluene.

**BENEFITS**

- Longer pot-life
- Low viscosity
- Typical cycloaliphatic cure properties

**APPLICATIONS**

- Self-leveling floors
- Solvent-free-coatings
- Tile grouts

**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 1934 curing agent.

**TABLE 1: TYPICAL PROPERTIES**

<b>Appearance</b>	Colorless liquid
<b>Color<sup>1</sup> (Gardner)</b>	3
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	140-360
<b>Amine Value<sup>3</sup> (mg KOH/g)</b>	265-295
<b>Specific Gravity @ 74°F (21°C)</b>	1.02
<b>Equivalent Wt/{H}</b>	100
<b>Recommended Use Level (phr)<sup>4</sup></b>	50

**TABLE 2: TYPICAL HANDLING PROPERTIES**

<b>Mix Viscosity @ 25°C [mPa.s]</b>	20
<b>Gel Time<sup>5</sup> [150g mix @ 25°C], [min]</b>	80
<b>Peak Exotherm (150g mix @ 25°C), (°C)</b>	40
<b>Thin Film Set Time 25°C [h]<sup>6</sup></b>	14
<b>Typical Cure Schedule 2-7 days</b>	

**TABLE 3: TYPICAL PERFORMANCE**

<b>Tensile Strength [MPa]<sup>7</sup></b>	52
<b>Tensile Modulus [GPa]<sup>7</sup></b>	2.0
<b>Tensile Elongation at Break [%]</b>	3.7
<b>Flexural Strength [MPa]<sup>8</sup></b>	94
<b>Flexural Modulus [GPa]<sup>7</sup></b>	1.9
<b>Heat Distortion Temperature [°C]<sup>9</sup></b>	40

Footnotes:

- (1) ASTM D 1544-80
- (2) Brookfield RVTD, spindle 4
- (3) Perchloric Acid Titration
- (4) With Bisphenol-A diglycidyl ether (EEW=190)
- (5) Techne GT-3 Gelation Timer
- (6) BK Drying Recorder Phase II
- (7) ISO 527
- (8) ISO 178
- (9) ASTM D648

Epoxy Curing Agents and Modifiers

# ANCAMINE® 1934 Curing Agent

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