

**ANCAMINE® 2747** Curing Agent**DESCRIPTION**

Ancamine 2747 curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Ancamine 2747 curing agent offers a broad balance of mechanical and adhesion strength. Ancamine 2747 curing agent has low Gardner colour and develops rapid hardness at low temperature condition (eg 10°C).

**ADVANTAGES**

- Low colour and viscosity
- Good low temperature cure speed
- Excellent mechanical resistance

**APPLICATIONS**

- Industrial flooring, screeds, primers and grouts
- High solids coatings

**SHELF LIFE**

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

**PACKAGING AND HANDLING**

Refer to the Safety Data Sheet for Ancamine 2747 curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Light Yellow liquid
<b>Colour<sup>1</sup> (Gardner)</b>	max 4
<b>Viscosity<sup>2</sup> @ 25°C, [mPa.s]</b>	100-400
<b>Amine Value<sup>3</sup> (mg KOH/g)</b>	300-350
<b>Specific Gravity @ 21°C</b>	1.02
<b>Equivalent Wt/{H}</b>	95
<b>Recommended use Level<sup>4</sup> [PHR]</b>	50

**TYPICAL HANDLING PROPERTIES<sup>4</sup>**

<b>Gel Time<sup>5</sup> @ 25°C (min)</b>	30-40
<b>Thin Film Set Time<sup>6</sup> @ 25°C (h)</b>	5.5
<b>Hardness Shore D<sup>7</sup> 7 day @ 25°C</b>	86
<b>Hardness Shore D<sup>7</sup> 24 h @ 10°C</b>	75
<b>Typical cure schedule</b>	2-7 days

**TYPICAL PERFORMANCE PROPERTIES<sup>4</sup>**

<b>Compressive Strength<sup>8</sup> (MPa)</b>	87
<b>Compressive Modulus<sup>8</sup> (GPa)</b>	1.8
<b>Carbamation Resistance<sup>9</sup> @ 25°C</b>	3

Footnotes:

- (1) ASTM D 1544
- (2) Brookfield RVTD, spindle 4
- (3) Perchloric Acid Titration
- (4) Cured with bisphenol-A based epoxy resin (EEW=190)
- (5) Techne GT-3 Gelation Timer, 150 g mix
- (6) ASTM D 5895 - BK Drying Recorder, Phase 3
- (7) ASTM D 2240
- (8) ASTM D 695
- (9) ISO 2812 (wet patch method), Scale 1-5, 5=best

Epoxy Curing Agents and Modifiers

# ANCAMINE® 2747 Curing Agent

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