

**ANCAMINE® 2646M** Curing Agent**DESCRIPTION**

Ancamine 2646M curing agent is a modified cycloaliphatic polyamine intended for use as a room temperature curing agent for liquid epoxy resin. Based upon Evonik Cycloaliphatic Amines, it offers a broad balance of chemical resistance and surface appearance properties. Ancamine 2646M provides high mechanical build, fast cure. The low odour and long pot life make it an ideal curing agent for use in warm climates.

**ADVANTAGES**

- Long pot life
- Fast property development
- Good chemical resistance

**APPLICATIONS**

- Non-colour sensitive applications
- Industrial flooring, screeds, primers, grouts
- Chemically resistant tank linings
- High solids coatings
- Secondary containment

**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 2646M curing agent.

**TYPICAL PROPERTIES**

<b>Appearance</b>	Yellow liquid
<b>Colour<sup>1</sup> (Gardner)</b>	max 12
<b>Viscosity<sup>2</sup> @ 25°C [mPa.s]</b>	300
<b>Amine Value<sup>3</sup> [mg KOH/g]</b>	335
<b>Specific Gravity @ 21°C</b>	1.03
<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> (150g mix at 25°C), [mins]</b>	50
<b>Gel Time<sup>5</sup> (150g mix at 35°C), [mins]</b>	25
<b>Thin Film Set Time<sup>6</sup> 23°C, [h]</b>	5.5
<b>Thin Film Set Time<sup>6</sup> 10°C, [h]</b>	15
<b>Typical cure schedule</b>	2-7 days

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

<b>Shore D<sup>7</sup> 23°C (6/24 h)</b>	47/87
<b>Shore D7 10°C (48 h)</b>	84
<b>PersoZ Hardness<sup>8</sup> (1/7 days at 23°C)</b>	250/330
<b>Typical cure schedule</b>	2- 7 days

**Footnotes:**

- (1) ASTM D 1544
- (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 3
- (7) DIN 53505
- (8) ISO 1522

Epoxy Curing Agents and Modifiers

# ANCAMINE® 2646M 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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