

ANCAMINE® 2579 Curing Agent**DESCRIPTION**

Ancamine 2579 curing agent is a modified cycloaliphatic polyamine intended for use as room temperature curing agent for liquid epoxy resin. It exhibits low colour and excellent colour stability, offering superior yellowing resistance compared with conventional cycloaliphatic polyamines.

ADVANTAGES

- Excellent colour and colour stability
- Good resistance to carbamation and water spotting
- Very good chemical resistance

APPLICATIONS

- Chemically resistant high solids and solvent free coatings
- Industrial flooring applications such as self-leveling floors and mortar floors

SHELF LIFE

At least 12 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 2579 curing agent.

TYPICAL PROPERTIES

| | |
|--|---------------------------|
| Appearance | Clear light yellow liquid |
| Colour¹ (Gardner) | <2 |
| Viscosity² @ 25°C [mPa.s] | 400-800 |
| Amine Value³ [mg KOH/g] | 260-300 |
| Specific Gravity @ 21°C | 1.04 |
| Equivalent Wt/{H} | 115 |
| Recommended use Level⁴ [PHR] | 60 |

TYPICAL HANDLING PROPERTIES

| | |
|--|-------|
| Mixed Viscosity² at 25°C, [mPa.s] | 4,000 |
| Gel Time⁵ (150g mix at 25°C), [mins] | 40 |
| Thin Film Set Time⁶ 25°C, [h] | 5.5 |
| Typical cure schedule 2- 7 days | |

TYPICAL PERFORMANCE PROPERTIES

| | |
|--|-----|
| Compressive Strength⁷, [MPa] | 71 |
| Compressive Modulus⁷, [GPa] | 1.6 |
| Tensile Strength⁸, [MPa] | 52 |
| Tensile Modulus⁸, [GPa] | 6.6 |
| Flexural Strength⁹, [MPa] | 90 |
| Flexural Modulus⁹, [GPa] | 3.0 |
| Heat Distortion Temperature¹⁰ (°C) | 40 |
| Carbamation Test¹¹ | 2 |

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 III
- (7) ISO 604
- (8) ISO 527
- (9) ISO 178
- (10) ASTM D648
- (11) Scale 1-5 (5 is best)

Epoxy Curing Agents and Modifiers

ANCAMINE® 2579 Curing Agent

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