

ANCAMINE® 2609W Curing Agent**DESCRIPTION**

Ancamine® 2609W curing agent is a nonyl phenol free aliphatic polyamine Mannich base curing agent designed for use with liquid epoxy resin. It is of low viscosity, moisture tolerant and reactive at low temperatures (~5°C). Ancamine® 2609W will react with liquid epoxy resins at low temperature and high humidity to produce a chemical resistant surface coating.

ADVANTAGES

- Moisture tolerant
- Fast cure
- Low temperature cure
- Excellent chemical resistance
- Complaint with German KTW regulations for coatings for potable water

APPLICATIONS

- Protective coatings
- Industrial applications
- Potable water 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.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2609W curing agent.

TYPICAL PROPERTIES

Appearance	Clear amber liquid
Colour¹ (Gardner)	max 5
Viscosity² @ 25°C [mPa.s]	300-600
Amine Value³ [mg KOH/g]	360-420
Specific Gravity @ 21°C	1.01
Equivalent Wt/{H}	75
Recommended use Level⁴ [PHR]	40

TYPICAL HANDLING PROPERTIES⁴

Gel Time⁵ @ 25°C (min)	15
Thin Film Set Time⁶ @ 25°C (h)	2
PersoZ Pendulum Hardness⁷ 24 h @ 25°C (s)	380
Hardness Shore D⁸ 24 h @ 25°C	80
Typical cure schedule	2-7 days

TYPICAL PERFORMANCE PROPERTIES⁴

Compressive Strength⁹ (MPa)	102
Compressive Modulus⁹ (GPa)	1.4
Tensile Strength¹⁰ (MPa)	46
Tensile Modulus¹⁰ (GPa)	7.6
Tensile Elongation at Break¹⁰ (%)	3
Flexural Strength¹¹ (MPa)	74
Flexural Modulus¹¹ (GPa)	3.6

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 4366
- (8) ASTM D 2240
- (9) ASTM D 695
- (10) ASTM D 638
- (11) ISO 178

Epoxy Curing Agents and Modifiers

ANCAMINE® 2609W Curing Agent

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