

ANCAMINE® 156 Curing Agent**DESCRIPTION**

Ancamine 156 is a modified cycloaliphatic polyamine intended for use as room temperature curing agent for liquid epoxy resin. Its drying speed/pot life profile has been optimized for high ambient temperature applications where long working life is an issue. Besides that, degree of yellowing upon UV radiation is less pronounced than with many others cycloaliphatic curing agents.

ADVANTAGES

- Very low viscosity
- Good colour stability
- Excellent water-spot resistance

APPLICATIONS

- High solids and solvent free coatings
- Industrial flooring self-levelling and screed
- Self-levelling and screed floors

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 156 curing agent.

TYPICAL PROPERTIES

Appearance	Pale Amber Liquid
Colour¹ (Gardner)	max. 3
Viscosity² @ 25°C [mPa.s]	100-200
Amine Value³ [mg KOH/g]	320-340
Specific Gravity @ 21°C [g/ml]	1.05
Equivalent Wt/{H}	95
Recommended use Level⁴ [PHR]	50

TYPICAL HANDLING PROPERTIES

Mixed Viscosity² @ 25°C (mPas)	2100
Gel Time⁵ (150g mix @ 25°C) [min]	45
Thin Film Set Time⁶ @ 25°C [h]	7
Shore D⁷ 20°C (8/24 h)	51/79
Shore D⁷ 10°C (16/24 h)	38/71
Typical cure schedule	2- 7 days

TYPICAL PERFORMANCE PROPERTIES

Compressive Strength⁸ [MPa]	77
Compressive Modulus⁸ [GPa]	1.8
Tensile Strength⁹ [MPa]	58
Tensile Modulus⁹ [GPa]	6.9
Tensile Elongation at Break [%]	0.5
Flexural Strength¹⁰, [MPa]	90
Flexural Modulus¹⁰, [GPa]	3.3
Heat Distortion Temperature¹¹ [°C]	45
Carbamation Test¹²	3

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) DIN 53505
- (8) ISO 604
- (9) ISO 527
- (10) ISO 178
- (11) ASTM D648
- (12) Scale 1-5 (5 is best)

Epoxy Curing Agents and Modifiers

ANCAMINE[®] 156 Curing Agent

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