

ANCAMINE® 1768 Curing Agent**DESCRIPTION**

Ancamine 1768 is a fast curing relatively moisture insensitive, activated aliphatic amine curing agent, particularly suitable for use in patch repair compounds and solvent free coatings. Its good colour also enables it to be useful accelerator for cycloaliphatic amine cured coatings and flooring. A special feature of Ancamine 1768 is the thixotropic effect it has in epoxy formulations.

ADVANTAGES

- Low colour
- Relatively moisture insensitive
- Excellent chemical resistance to distilled water, alkalis and detergent solutions

APPLICATIONS

- Patch repair compounds
- Solvent free coatings
- Accelerator for cycloaliphatic amine cured coatings and floorings

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 1768 curing agent.

TYPICAL PROPERTIES

Appearance	Pale yellow liquid
Colour¹ (Gardner)	3
Viscosity² @ 25°C [mPa.s]	220-300
Amine Value³ [mg KOH/g]	620-680
Specific Gravity @ 21°C [g/ml]	0.97
Equivalent Wt/{H}	95
Recommended use Level⁴, [PHR]	50

TYPICAL HANDLING PROPERTIES

Mixed Viscosity² at 25°C, [mPa.s]	1,500
Gel Time⁵ (150g mix at 25°C), [mins]	10
Peak Exotherm (150g mix at 25°C), [°C]	152
Thin Film Set Time⁶ @ 25°C, [h]	2
Typical cure schedule	2- 7 days

TYPICAL PERFORMANCE PROPERTIES

Tensile Strength⁷, [MPa]	42
Tensile Modulus⁷, [GPa]	3.0
Tensile Elongation at Break [%]	1.6
Flexural Strength⁸, [MPa]	14.6
Flexural Modulus⁸, [GPa]	2.4
Heat Distortion Temperature⁹, [°C]	64

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 527
- (8) ISO 178
- (9) ASTM D 648

Epoxy Curing Agents and Modifiers

ANCAMINE® 1768 Curing Agent

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