

ANCAMINE® 2739 Curing Agent**DESCRIPTION**

Ancamine 2739 curing agent is a modified polyamine curing agent intended for use as a curing agent for diluted liquid epoxy resin at ambient and low temperature application (10°C).

The product facilitates in low volatile organic component coating and flooring formulations and allows the use in low emission coating systems. Compared to Ancamine® 2712M curing agent, Ancamine 2739 curing agent offers long pot life while retaining cure speed and through cure and providing enhanced UV durability.

ADVANTAGES

- Fast cure and development of properties at ambient and low temperature
- High resistance to carbamation and water spotting
- High mechanical and chemical resistances
- Free of alkyl-substituted phenol

APPLICATIONS

- Low emission coatings and flooring systems
- Chemically resistant, high solid and solvent-free coatings
- Industrial flooring applications

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature. Keep away from freezing.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2739 curing agent.

TABLE 1: TYPICAL PROPERTIES

Appearance	Yellow Liquid
Color¹ (Gardner)	max 3
Viscosity² @ 25°C (mPa.s)	350-650
Amine Value³ (mg KOH/g)	540-590
Specific Gravity@ 21°C	1.0
Equivalent Wt/{H}	95
Recommended Use Level⁴ (phr)	45-50

TABLE 2: TYPICAL HANDLING PROPERTIES⁵

Gel Time⁶ (150g mass, 25°C) (min)	70-90
Gel Time⁶ (150g mix @ 35°C) (min)	30
Thin Film Set Time⁷ (h, 23°C)	8.5
Gloss 20°/60°, 23°C (h)	103/102
Persoz Pendulum Hardness⁸ d1/7d @ 23°C (Shore D)	190/320
Hardness⁹ 16 h/7d @ 23°C (Shore D)	75D/85D
Wet Patch Early Water Resistance¹⁰ d1, 23°C	5
Thin Film Set Time⁷ @ 10°C (h)	17
Gloss 20°/60°, 10°C (h)	103/102
Persoz Pendulum Hardness⁸ d2/7d @ 10°C (s)	80/20
Hardness⁹ 24 h/7d @ 10°C (Shore D)	80A/84D
Wet Patch Early Water Resistance¹⁰ d2, 10°C	4

Footnotes:

- (1) ASTM D1544-80
- (2) Brookfield DV+, spindle 5
- (3) Perchloric Acid Titration
- (4) With bisphenol-A based epoxy resin (EEW=190), 80 phr
- (5) With Bisphenol A/F diglycidyl ether blend, Epodil® 748 Reactive 900 mPa.s
- (6) Techne GT-3 Gelation Timer
- (7) BK Drying Recorder phase III
- (8) ASTM D 4366
- (9) ASTM D 2240
- (10) ASTM D 870

Epoxy Curing Agents and Modifiers

ANCAMINE® 2739 Curing Agent

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