

ANCAMINE[®] 2739

Epoxy Curing Agent and Modifiers

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).

Ancamine 2739 curing agent is free of alkyl-substituted phenol, facilitating in low volatile organic component coating and flooring formulations and allows the use in emission compliant systems. Compared to Ancamine 2712 curing agent, Ancamine 2739 curing agent offers long pot life while retaining cure speed and through cure and providing enhanced UV durability.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow liquid		
Color	max 3	Gardner	ASTM D 1544-80
Viscosity @ 25°C	350-650	mPa.s	Brookfield DV+, Spindle 5
Amine Value	540-590	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.04		
Equivalent	95	Wt/{H}	
Recommended use Level	45-50	PHR	With bisphenol-A based epoxy resin (EEW=190), 80 phr

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

- Emission compliant 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.

TYPICAL HANDLING PROPERTIES*

Property	Value	Unit	Method
Gel Time (150g mass, 25°C)	70-90	min	Techne GT-3 Gelation Timer
Gel Time (150g mix @ 35°C)	30	min	Techne GT-3 Gelation Timer
Thin Film Set Time (23°C)	8.5	h	BK Drying Recorder phase III
Gloss 20°/60°, 23°C	103/102	h	
PersoZ Pendulum Hardness d1/7d @ 23°C	190/320	Shore D	ASTM D 4366
Hardness 16 h/7d @ 23°C	75D/85D	Shore D	ASTM D 2240
Wet Patch Early Water Resistance 23°C	5	d1	ASTM D 870
Thin Film Set Time @ 10°C	17	h	BK Drying Recorder phase III
Gloss 20°/60°, 10°C	103/102	h	
PersoZ Pendulum Hardness d2/7d @ 10°C	80/20	s	ASTM D 4366
Hardness 24 h/7d @ 10°C	80A/84D	Shore D	ASTM D 2240
Wet Patch Early Water Resistance, 10°C	4	d2	ASTM D 870

* With Bisphenol A/F diglycidyl ether blend, Epodil® 748 Reactive 900 mPa.s

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