

## Product information

# ANCAMINE<sup>®</sup> 2712M

## Curing Agent

### DESCRIPTION

Ancamine 2712M 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 2712M curing agent is free of alkyl-substituted phenol and benzyl alcohol, facilitating zero volatile organic component coating and flooring formulations. Also, Ancamine 2712M curing agent allows the use in emission compliant coating and flooring systems.

### TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Yellow Liquid		
Colour	max 7	Gardner	ASTM D 1544-80
Viscosity @ 77°F (25°C)	350-650	mPa.s	Brookfield DV+ Spindle 5
Specific Gravity	1.0		
Amine Value	500-560	mg KOH/g	Perchloric Acid Titration
Equivalent Wt/{H}	95		
Recommended Use Level	50	PHR	With Bisphenol-A diglycidyl ether (EEW=190)

### 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 and benzyl alcohol

### 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.

## STORAGE AND HANDLING

Refer to the Safety Data Sheet for Ancamine 2712M curing agent.

## TYPICAL HANDLING PROPERTIES\*

Property	Value	Unit	Mthod
Use Level	50	PHR	
Viscosity @ 74°F (23°C)	800-900	mPa.s	Brookfield DV + Spindle 5
Gel Time, (150g mix at 77°F) (23°C)	30-35	min	Techne GT-3 Gelation Timer
Thin Film Set Time 23°C	7.0	h	ASTM D5895 BK Drying Recorder Phase III
Gloss 20°/ 60°, 23°C	105/ 102		
PersoZ Pendulum Hardn. 23°C, d1/ d7	240/ 360	s	ISO 1522
Hardness 23°C, 16h/ d7	80D/ 85D	Shore D	ISO 868
Carbamation Resist. 23°C, 24h	5	Scale 1-5	ISO 2812 (Wet Patch Method), scale 1-5 (5 is best)
Thin Film Set Time 50°F (10°C)	14.0	h	ASTM D5895 BK Drying Recorder Phase III
Gloss 20°/ 60°, 10°C	105/ 102		
PersoZ Pendulum Hardn. 10°C, d2/ d7	135/ 375	s	ISO 1522
Hardness 10°C, 24h/ d7	65D/ 85D	Shore D	ISO 868
Carbamation Resist. 10°C, 2d	4	Scale 1-5	ISO 2812 (Wet Patch Method), scale 1-5 (5 is best)

\*With Bisphenol A/ F diglycidyl ether blend, Epodil® 748 reactive diluent diluted, EEW195,  $\eta$  900 mPa.s

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