

# Ancamine<sup>®</sup> 2748 Epoxy Curing Agent



## Description

Ancamine 2748 curing agent is a modified cycloaliphatic amine designed for use with liquid epoxy resins in the formulation of two component epoxy coatings. This curative is intended for use in coatings that require resistance to acids, bases and solvents in markets including waste water, secondary containment, flooring, tank coatings and other demanding applications.

## Storage Life

24 months from the date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity in tightly closed containers.

## Handling Precautions

Refer to the Material Safety Data Sheet for Ancamine 2748 curing agent.

### Typical Properties

Appearance	Amber Liquid
Color (Gardner)	<10
Viscosity @ 25 °C (cPs) <sup>1</sup>	2,150 – 2,400
Amine Value (mg KOH/g) <sup>2</sup>	335 – 353
Equivalent Wt/{H}	94
Recommended Use Level (phr, EEW 190)	50
Specific gravity @ 25 °C (g/mL)	1.08

### Typical Handling Properties @ 25 °C

Gel Time <sup>3,5</sup>	
150g mix mass) min	50
Thin Film Set Time <sup>3,4</sup> @ °C, h	90
Stage II	2
Stage III	7

### Typical Formulation by wt.

Liquid epoxy resin (EEW=190)	100
Ancamine 2748	50

1. Brookfield viscometer LV, spindle 21, 77 ° F
2. Perchloric acid titration
3. Formulated with Liquid Epoxy Resin (EEW=190) at the recommended use level of 43 phr, 150g mix.
4. Mickle Laboratory Engineering Co. BK drying recorder, 77 ° F / 50% RH
5. Techne GT-4 Gelation Timer

**Ancamine 2748 Curing Agent  
with LER\***

**Ancamine 2748 Curing Agent  
with Bis-F/Novolak Blend\***

	%W Change	Shore D Hardness
Initial	-	82
DI Water	1.28	82
Methanol	9.75	63
Ethanol	5.36	75
Xylene	1.39	81
Butyl Cellusolve	0.00	78
10% Lactic Acid	2.86	82
10% Acetic Acid	5.69	70
70% Sulfuric Acid	0.49	84
50% Sodium Hydroxide	0.16	83
Gasoline/Ethanol (90/10)	2.32	76

\*Weight % change and Shore D Hardness were obtained after 28 days of exposure at 25 °C. Ancamine 2748 curative was used with standard liquid epoxy resin (EEW=190) at a ratio of 50 parts Ancamine 2748 to 100 parts resin . Samples were cured seven days at 25 °C before immersion.

	%W Change	Shore D Hardness
Initial	-	82
DI Water	1.43	82
Methanol	9.13	60
Ethanol	4.08	76
Xylene	0.21	82
Methyl Ethyl Ketone	-	--
Butyl Cellusolve	1.62	78
10% Lactic Acid	3.59	80
10% Acetic Acid	6.76	72
70% Sulfuric Acid	0.37	82
50% Sodium Hydroxide	(0.06)	82
Gasoline/Ethanol (90/10)	1.34	77

\*Weight % change and Shore D Hardness were obtained after 28 days of exposure at 25 °C. Ancamine 2748 was used with a 60% Bis-F/40% epoxy novolak resin blend. Mix ratio was 58 parts Ancamine 2748 to 100 parts of resin by weight. Samples were cured seven days at 25 °C before immersion.

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