

ANCAMINE[®] 2748**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.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Amber Liquid		
Color	<10	Gardner	
Viscosity @ 25°C	2,150-2,400	cPs	Brookfield viscometer LV, spindle 21, 77°F
Amine Value	335-353	mg KOH/g	Perchloric acid titration
Equivalent Wt/{H}	94		
Recommended Use Level	50	phr	EEW=190
Specific gravity @ 25°C	1.08		

STORAGE AND HANDLING

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

SHELF 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.

TYPICAL HANDLING PROPERTIES @ 25°C

Property	Value	Unit	Method
Gel Time (150g mix mass)	50	min	Formulated with Liquid Epoxy Resin (EEW=190) at the recommended use level of 50 phr, 150g mix., Techne GT-4 Gelation Timer
Thin Film Set Time @ 25°C		h	Formulated with Liquid Epoxy Resin (EEW=190) at the recommended use level of 50 phr, 150g mix, Mickle Laboratory Engineering Co. BK drying recorder, 77°F/50% RH
Stage I	1.5		
Stage II	2		
Stage III	7		

TYPICAL FORMULATION BY WT.

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

ANCAMINE 2748 CURING AGENT WITH LER*

	% 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.

ANCAMINE 2748 CURING AGENT WITH BIS-F/NOVOLAC BLEND*

	% 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 curative was used with a 60% Bis-F/40% epoxy novolac 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.

Ancamine® is a registered trademark of Evonik Industries AG or one of its subsidiaries.

Disclaimer

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers
55, Chungong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

