

AMINE CURING AGENTS FOR EPOXY RESINS

Metal Coatings



- +++ Excellent
- ++ Recommended
- + Alternative Use

CURING AGENT	BENEFITS												APPLICATIONS						
	Low Viscosity	Fast return to service	Low Temperature Cure	Blush Resistance	Chemical Resistance	UV Stability	Low VOC	Economics	Flexibility	Pot Life	Recoatibility Window	Surface Tolerance	General Purpose	Light Duty Corrosion Resistance	Medium Duty Corrosion Resistance	Heavy Duty Corrosion Resistance	Tank Lining	High Solid Coatings	Solvent-free Coatings
Ancamide® 2050				+			+									++	+++	++	
Ancamide 221X70						+		+++	+++		+		++		+				
Ancamide 2443	+++						+++			+++		++	+					++	++
Ancamide 2445				++			+								+++			+++	
Ancamide 2573			+	++			+					++						+++	
Ancamide 2652											+++		+		+			++	
Ancamide 2767			+	++			+								+++			+++	
Ancamide 3030						+		+++		+			+++		+		++		
Ancamide 3200				++			+					+++			+++			+++	
Ancamide 3444			+	++			+					+++			+++			+++	
Ancamide 3622				+				+	++				++		+				
Ancamide 700B75				+				+	++	+++			++		+				
Ancamide 910							+		+++	+++					+			++	
Ancamine® 2432	++	+++	+++		+++		+								++	+	+++	++	
Ancamine 2519	++				+		+								++		+	++	
Ancamine 2609W	++	++	+++		++		+								+		++	+	
Ancamine 2712M	++	++		+++			+++								+		++	++	+++
Ancamine 2719	++	+++	+++		+++		+								+		++	+	
Ancamine 2726	++					+	+	+					+++		+++		+	++	
Ancamine 2728		+++	+++	+++												+++	+++		
Ancamine 2734		+++	+++					+					+		+				
Ancamine 2739	++			++			+++								+		++		+++
Ancamine 2760	++				+++	++	+								+		++	++	
Ancamine 2765		++	+++		+++										+		+++	+	
Anquamine® 419 ¹		+++		++			+++			+++	++			+++					+++
Ancarez® AR555 ^{1,2}	+++	+++		++			+++			+++	++			+++					+++

Notes:
 Samples available on request.
 (1) Waterborne Technology
 (2) Solid Epoxy Resin Dispersion

CURING AGENT	COLOR MAX ¹ (GARDNER)	VISCOSITY ² (mPa.s)	AHEW ³	USE LEVEL ⁴ (PHR)	GEL TIME ⁵ @ 25 °C (MINS.)	SOLIDS, %
Ancamide [®] 2050	≤12	2000-5000	150	70-100	150	100 ⁸
Ancamide 221X70	≤9	1000-2500	340	50-70 ⁹	>420	70
Ancamide 2443	≤9	20-40	85.5	45	250	100
Ancamide 2445	≤8	3000-6000	150	70-100	90-120	100 ⁸
Ancamide 2573	≤10	1200-2200	115	60-70	80	100 ⁸
Ancamide 2652	≤12	1000-3000	250	90-130	150	74-80
Ancamide 2767	≤9	1500-2900	114	60	50-60	100 ⁸
Ancamide 3030	≤10	300-600 @ 75° C	95	50	110-130	100
Ancamide 3200	≤10	1000-2000	115	60	78-80	100 ⁸
Ancamide 3444	≤10	500-1500	115	60	35-40	70
Ancamide 3622	≤10	4000-12000	340	50	500-1000	75
Ancamide 700B75	≤8	4000-8000	170	90	200-250	30-35 ⁷
Ancamide [®] 910	≤10	4000-7000	230	110-125	120	100
Ancamine [®] 2432	≤6	200-360	88	45	27	100 ⁸
Ancamine 2519	≤2	100-300	95	50	23	100 ⁸
Ancamine 2609W	≤5	300-600	75	40	15	100
Ancamine 2712M	≤7	350-650	95	50	30-35 ¹⁰	100
Ancamine 2719	≤14	300-500	75	40	20	100
Ancamine 2726	≤2	300-600	115	60	40-50	100 ⁸
Ancamine 2728	≤7	100-2500	233	80-120	95	60
Ancamine 2734	<18	500 -2500	175	100	80	65
Ancamine 2739	≤3	250-650	95	50	150 ¹⁰	100
Ancamine 2760	≤2	300-600	115	60	50-60	100 ⁸
Ancamine 2765	≤6	800-1550	44	20	15	100
Anquamine [®] 419 ¹	≤9	8000-12000	284	20-32 w/Ancarez AR555	240-360	60
Ancarez [®] AR555 ^{1,2}	Milky White	100-300	1300 EEW	—	—	55

Footnotes:

- (1) 1 ASTM D1544
- (2) Brookfield viscosity, ASTM D445, 25°C
- (3) AHEW = Amine Hydrogen Equivalent Weight
- (4) Recommended use level with Diglycidyl Ether of Bisphenol-A epoxy resin, EEW = 182-192
- (5) Gelation timer, 150g mass at 25°C
- (6) Waterborne Technology
- (7) Solid Epoxy Resin Dispersion
- (8) Product contains benzyl alcohol
- (9) With Diglycidyl Ether of Bisphenol-A epoxy resin, EEW = 500-550
- (10) With Bisphenol A/F diglycidyl ether blend, EpodilR 748 Reactive Diluent diluted, EEW195, n = 900

EVONIK OPERATIONS GmbH
 Business Line Crosslinkers
 Paul-Baumann-Straße 1
 45764 Marl
 Germany

For Technical Information, Support and Samples:
www.evonik.com/crosslinkers-contacts

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