

EPOXY CURING AGENTS FOR COMPOSITES



Product	Benefits								Applications	
	Fast Curing	Low-Temperature Cure	Low Viscosity	Long Potlife/Latency	Temperature Stability/Tg	Mechanical Strength	Chemical Resistance	Flexibility/Toughness	1K Composites	2K Composites
Amicure® CG-1200F				++	++	+	+		++	
Amicure® CG-1400F				++	++	+	+		++	
Amicure® UR2T	+	+		+	+	+	+		++	
Ancamide® 500			++	+						++
Ancamide® 506			++	++						++
Ancamide® 2798			++							++
Ancamide® 3419			++	++						++
Ancamine® 1769	+		+		+	+	++			++
Ancamine® 2014 AS	+	+		++					++	
Ancamine® 2014 FG	+	+		+					++	
Ancamine® 2167			++	+	++	++	++			++
Ancamine® 2264				+	++	++	++			++
Ancamine® 2337S	++	++		+					++	
Ancamine® 2441	+	+		++	+				++	
Ancamine® 2442	+	+		++	+				++	
Ancamine® 2781			++	++						++
Ancamine® 2919			++	++	+	++	++	+		++
Ancamine® 2927			++	++		+	+			++
Ancamine® K54	+		++						+	++
Ancamine® R215			++		++	++	++			++
Curezol® 2MZ Azine 10 μ m				+	++	++	++		++	
Imicure® EMI-24	++	+			++	+	+		+	+
VESTALITE® S101	+		++	++	++	++	+			++
VESTALITE® S102	+		++	++	++	++	+			++

++ Best Choice
+ Alternative Use

Product	Properties				
	Appearance	Viscosity (mPa.s@25 °C)	AHEW (g/eq)	Use level (PHR)	Gel Time
Amicure® CG-1200F	white powder	–	21	4–15	12 months
Amicure® CG-1400F	white powder	–	21	4–15	12 months
Amicure® UR2T	white powder	–	–	0,5–3,0	6 min (135 °C)
Ancamide® 500	amber liquid, max 10 Gardner color	200–450	90	50	180 min
Ancamide® 506	amber liquid, max 12 Gardner color	200–500	110	50	400 min
Ancamide® 2798	amber liquid, max 10 Gardner color	100–200	86	46	130–150 min
Ancamide® 3419	clear amber liquid, max 10 Gardner color	50–160	125–155	66–82	1500 min
Ancamine® 1769	clear liquid, max 4 Gardner color	600–900	48	25	24 min
Ancamine® 2014 AS	white powder	–	52	25–30	25 min (1g @ 77 °C)
Ancamine® 2014 FG	white powder	–	52	25–30	25 min (1g @ 77 °C)
Ancamine® 2167	clear liquid, max 3 Gardner color	210	53	28	210 min
Ancamine® 2264	amber liquid, max 9 Gardner color	2100–2800	54	29	195 min
Ancamine® 2337S	light yellow powder	–	–	45	2,7 min (80 °C)
Ancamine® 2441	white powder	–	–	20	–
Ancamine® 2442	white powder	–	–	20	–
Ancamine® 2781	amber liquid, max 12 Gardner color	80–120	104	55	400–500 min
Ancamine® 2919	pale yellow liquid, max 2 Gardner color	600–800 mix	42	24	160 min to 1500 mPa.s (25 °C)
Ancamine® 2927	amber liquid, max 12 Gardner color	100–220	28	15	873 min to 10000 mPa.s (30 °C)
Ancamine® K54	amber liquid, max 6 Gardner color	120–250	–	5–15	45 min
Ancamine® R215	clear liquid, max 1 Gardner color	14	42,5	23,5	192 min
Curezol® 2MZ Azine 10µm	white powder	–	–	6–8	45 days
Imicure® EMI-24	amber liquid, max 18 Gardner color	5000–7000	–	1–5	19 min to 10 Pa.s (80 °C)
VESTALITE® S101	clear liquid, max 3 Gardner color	< 50	50	25	340 min
VESTALITE® S102	clear liquid, max 3 Gardner color	< 50	50	25	330min

Viscosity:

Brookfield RVT D,
Spindle 4

Use level:

As sole curing agent;
With BADGE (EEW=190)

Gel time:

Techne GT-3 gel timer,
150g mix at 25 °C
(unless indicated otherwise)

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

* is a registered trademark of EVONIK INDUSTRIES AG or one of its subsidiaries.
Curezol® is a registered trademark of Shikoku Chemical Corporation.

EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Straße 1
45764 Marl | Germany

Technical Information:

www.evonik.com/crosslinkers-composites

Samples: APCSE@evonik.com

Regional Contact:

www.evonik.com/crosslinkers-contacts