

Product Name	Description	Chemical Properties							Applications
		Viscosity	Color Gardner	Amine Value	Active H Equivalent	%Dry Content	EEW 190	POT LIFE (150g, 25°c)	
CYCLOALIPHATIC HARDENERS									
Razeen Cure RC 11	Cycloaliphatic Adduct	300:650	< 1	265	114	100	60	50'	Good yellowing resistance. For flooring and coatings. Food approved.
Razeen Cure RC 12	Cycloaliphatic Adduct	300:650	< 1	260	114	100	60	55'	Good yellowing resistance. For flooring and coatings. Good performance at low T° and high umidity
Razeen Cure RC 13	Cycloaliphatic Adduct	100:300	< 1	330	95	100	50	60'	Low viscosity hardener for casting, self levelling foors, impregnation.
Razeen Cure RC 14	Cycloaliphatic Adduct	300:700	< 2	360	95	100	50	30'	For self levelling flooring. Very good curing at low T° and high chemical and mechanical resistance.
Razeen Cure RC 15	Accelerated Polyamine	400:1000	< 4	385	76	100	40	15'	Early traffic resistance. Very good curing at low T° and high chemical and mechanical resistance.
Razeen Cure RC 16	Cycloaliphatic Adduct	400:1000	< 3	260	114	100	60	45'	Accelerated version of RC 11, better curing at low T°.
Razeen Cure RC 17	Modified Polyamine	20 . 100	< 3	668	84	100	25	55'	Low viscosity hardener, very good wetting properties and curing under adverse conditions.
Razeen Cure RC 19	Cycloaliphatic Adduct	100:300	< 2	320	95	100	50	30'	For self levelling floorings. Very good performance at high humidity
Razeen Cure RC 20	Cycloaliphatic Adduct	200:600	< 2	310	114	100	50	30'	High mechanical properties for self levelling, & low T°.
Razeen Cure RC 21	Cycloaliphatic Adduct	200:400	< 1	290	84	100	60	35'	Low colour, very good levelling properties and curing under adverse conditions.
Razeen Cure RC 22	Cycloaliphatic Adduct	40:120	< 1	370	95	100	45	30'	Low viscosity and colour, very good aesthetic properties and blushing resistance.
Razeen Cure RC 23	Cycloaliphatic Adduct	150:350	< 1	360	95	100	50	35'	Cost effective version of Razeen Cure RC 13
Razeen Cure RC 24	Cycloaliphatic Adduct	100:300	< 1	280	114	100	60	45'	Cost effective version of Razeen Cure RC 11
Razeen Cure RC 25	Modified Polyamine	500:1500	< 8	285	114	100	60	40'	Very good curing low T° and under water, adhesion on wet concrete, blushing.
Razeen Cure RC 26	Modified Polyamine	400:700	< 12	425	95	100	50	40'	For adhesive and epoxy systems labelled irritant, epoxy-PU systems.
Razeen Cure RC 27	Modified Polyamine	100:300	< 2	370	95	100	50	50'	Very low viscosity and fast curing. For adhesive & injection systems.
Razeen Cure RC 28	Modified Polyamine	20 . 120	< 2	360	76	100	40	130'	Low viscosity and long Pot life hardener. Good blushing resistance.
Razeen Cure RC 29	Modified Polyamine	200:400	< 1	500	57	100	30	15'	Very good colour and curing properties.
Razeen Cure RC 101	Cycloaliphatic Adduct	250:500	< 1	310	114	100	60	40'	Good yellowing resistance and chemical. For flooring and coatings
Razeen Cure RC 102	Modified Polyamine	200:600	< 8	330	114	100	60	30'	Fast curing version of Razeen Cure RC 25
Razeen Cure RC 103	Modified Polyamine	20 . 100	< 3	600	47	100	25	55'	Cost effective version of Razeen Cure RC 17
Razeen Cure RC 104	Modified Polyamine	20 . 100	< 3	875	47	100	25	25'	Very low viscosity, for casting, injection, stone / concrete treatment
Razeen Cure RC 109	Cycloaliphatic Adduct	300:900	< 1	325	95	100	50	40'	Benzyl alcohol free version of Razeen Cure RC 19
Razeen Cure RC 110	Cycloaliphatic Adduct	200:400	< 2	325	95	100	50	25'	Fast curing version of Razeen Cure RC 19, very good hardening at low temperatures.

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ALIPHATIC HARDENERS									
Razeen Cure PA 41	Accelerated Polyamine	150:350	< 3	640	95	100	50	14'	Fast curing, mainly used for epoxy - PU adhesives.
Razeen Cure PA 42	Accelerated Polyamine	1400:2500	< 5	580	95	100	50	5'	Used as accelerator or fast curing adhesive (chemical anchoring bolts).
Razeen Cure PA 43	Accelerated Polyamine	100:400	< 5	960	34	100	18	20'	Fast curing adhesives, impregnation, mortars and coatings. High HDT
Razeen Cure PA 44	Accelerated Polyamine	2200:5000	< 5	800	38	100	20	17'	High Solvent resistance and high HDT. Suggested for coatings and putties.
Razeen Cure PA 45	Modified Polyamine	400:700	< 12	375	95	100	50	55'	Hardener for epoxy systems, suitable for Xi labeled adhesives.
Razeen Cure PA 48	Modified Polyamine	130:370	< 3	225	95	100	50	80'	Low viscosity hardener, for casting, impregnations, injections. Long pot life.
Razeen Cure PA 52	Modified Polyamine	800:1500	< 12	350	105	100	55	350'	Hardener for epoxy and epoxy-PU system not labelled.
Razeen Cure PA 53	Modified Polyamine	350:750	< 6	600	95	100	50	5'	Nonylphenol free version of Razeen Cure PA42.
Razeen Cure PA 54	Modified Polyamine	1200:2200	< 3	390	95	100	50	10'	Cost effective hardener with fast curing for mortars and primers.
Razeen Cure PA 55	Modified Polyamine	50:150	< 5	700	47	100	25	12'	For marble treatment and impregnation, for automatic systems curing in the oven.
Razeen Cure P 181	Isolated Adduct	1000:2000	< 9	90	165	50	80:90 *	1 g*	Solvent based coating. Good gloss, hardness and chemical resistance.
Razeen Cure PA 604	Modified Polyamine	50:150	< 2	800	47	100	25	20'	For marble treatment and impregnation.
Razeen Cure PA 605	Accelerated Polyamine	150:350	< 2	640	95	100	50	14'	Nonylphenol free version of Razeen Cure PA41.
Razeen Cure PA 606	Modified Polyamine	50:150	< 2	450	95	100	50	8'	For marble treatment and impregnation, fast curing.
VARIOUS									
Razeen Cure TA 5	Tertiary Amine	100:500	< 9	625		100			Accelerator for epoxy systems.
Razeen Cure 106	Mercaptane	9000:6000	< 5	30		100			For extra fast curing systems.
Razeen Cure PSA851	Modified Polyamine	400:1000	< 4	390	76	100	40	16'	Very good adhesion on glass and ceramic. Fast curing and high chemical resistance.
Razeen Cure PSA852	Cycloaliphatic Adduct	100:300	< 2	325	95	100	50	30'	Very good adhesion on glass and ceramic. High gloss, levelling and distension.
Razeen Cure PSA853	Modified Polyamine	400:900	< 8	290	114	100	60	40'	Very good adhesion on glass and ceramic. Very good performance in high humidity.
Razeen Cure PSA854	Modified Cycloaliphatic	100:300	< 6	350	95	100	50	40'	Very good adhesion on glass and ceramic. Good chemical resistance.
a = in combination with epoxy		* = in clear lacquer 40% dry content (g=days)							All information in this brochure is without guarantee.

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CYCLOALIPHATIC HARDENERS									
Razeen Cure PC 112	Modified Polyamine	200:800	6	370	114	100	60	25'	MXDA free version of Razeen Cure PC102
Razeen Cure PC 113	Cycloaliphatic Adduct	100:500	< 1	290	95	100	50	25'	MXDA free version of Razeen Cure PC100
Razeen Cure PC 114	Modified Cycloaliphatic	200:450	< 1	330	95	100	50	20'	Bisphenol-A free version of Razeen Cure RC19
Razeen Cure PC 115	Cycloaliphatic Adduct	500:1500	2	380	76	100	40	15'	MXDA free version of Razeen Cure RC15
Razeen Cure PC 116	Modified Polyamine	300:600	6	370	114	100	60	20'	MXDA free and bisphenol-A free version of Razeen Cure PC102
Razeen Cure PC 117	Cycloaliphatic Adduct	370:420	< 1	315	95	100	50	35'	Good yellowing resistance. Coating with very good levelling properties.
Razeen Cure PC 118	Cycloaliphatic Adduct	100:300	< 1	370	76	100	40	40'	Low viscosity hardener, very good levelling properties and curing under adverse conditions.
Razeen Cure PC 119	Cycloaliphatic Adduct	150:400	< 1	300	95	100	50	25'	MXDA free version of Razeen Cure RC 19
Razeen Cure PC 120	Modified Polyamine	1400:2600	8	450	95	100	50	20'	MXDA free, bisphenol-A and benzyl alcohol free version of Razeen Cure PC102
Razeen Cure PC 121	Cycloaliphatic Adduct	300:600	4	460	76	100	40	10'	MXDA free and bisphenol-A free version of Razeen Cure RC15
Razeen Cure PC 122	Cycloaliphatic Adduct	700:1200	4	550	57	100	30	10'	MXDA free, bisphenol-A free and benxyl alcohol free version of Razeen Cure RC15
Razeen Cure PC 125	Modified Polyamine	500:1500	7	300	114	100	60	35'	MXDA free version of Razeen Cure RC25
Razeen Cure PC 161	Modified Cycloaliphatic	100:300	≤ 3	350	95	100	50	28'	General purpose hardener for flooring, eposy-PU, adhesives, mortars/ High chemical.
Razeen Cure PC 162	Modified Cycloaliphatic	100:300	≤ 3	400	95	100	50	22'	Version of CP161 with better curing properties at low T*
Razeen Cure PC 163	Modified Cycloaliphatic	100:500	≤ 4	400	95	100	50	26'	MXDA free version of Razeen Cure PC162
WATER BASED HARDENERS									
Razeen Cure 202W	Amine Adduct	15000	< 8	205	195	80	100	150'	For coating and epoxy - cement. Good reactivity, high gloss.
Razeen Cure 501W	Polyamide	45000	< 12	170	190	50	100	60'	Anticorrosive primers, zinc rich primers, top coats. Good adhesion and chemical properties.
EBW 230	Emulsifiable Eposy Resin	1200:1600	< 4			100			Emulsifiable liquid epoxy resin.
EBW 231	Solid Epoxy Emulsion	450:1100				56			Solid epoxy emulsion.
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POLYAMIDES HARDENERS									
Ranzeen Cure 210X60	Xylene Solution	3500:5500	< 12	90		60	170*	2:3g	Anticorrosive primers, zinc rich and top coats. Good adhesion and chemical resistances.
Ranzeen Cure 215	Standard Polyimide	50000:60000	< 12	250		100	100:120 45:60*	180' 2:3g	Anticorrosive primers, zinc rich and top coats. Good adhesion and chemical resistances.
Ranzeen Cure 215X70	Xylene Solution	800:1800	< 12	175		70	65:80*	2:3g	Anticorrosive primers, zinc rich and top coats. Good adhesion and chemical resistances.
Ranzeen Cure 230	Standard Polyimide	70:900, 75°c	< 12	360		100	50:70 30:40*	125' 1:2g	High solid solvent free system for anticorrosives, putties, mortars, civil engineering and sealants, Good flexibility
Ranzeen Cure 240	Standard Polyimide	800:600, 75°c	< 12	395		100	50:70 30:40*	105' 1:2g	High solid solvent free system for anticorrosives, putties, mortars, civil engineering and sealants, Good hardness.
Ranzeen Cure 302	Polyamide Adduct	500:1000	< 15	320	114	100	60	150'	For solvent free and high solid systems.
Ranzeen Cure 303	Polyamide Adduct	4000:7500	< 12	185		70	70*	10:12h*	70% solid content adduct for solvent based primers and top coats. Good performance under adverse conditions.
Ranzeen Cure 306	Polyamide Adduct	800:1400	< 12	135		60	80:110*	10:12h*	60% solid content adduct for solvent based primers and top coats. Good performance under adverse conditions.
Ranzeen Cure 307	Polyamide Adduct	1500:3000	< 12	400	114	100	60	150'	Solvent free system and water dilutable for concrete, bonding new/old concrete.
Ranzeen Cure 310	Polyamide Adduct	2000:6000	< 12	250	190	90	100	100'	Coating and adhesive, in extreme conditions of moisture and under water.
Ranzeen Cure 311	Polyamide Adduct	1000:3000	< 15	185		70	70*	10:12h*	70% solid content adduct for solvent based primers and top coat. Good performance under adverse conditions.
Ranzeen Cure 312	Polyamide Adduct	300:600	< 15	140		50		10:12h*	50% solid content adduct for solvent based primers and top coat. Good performance under adverse conditions.
Ranzeen Cure 313	Polyamide Adduct	4000:7500	< 12	320		80	60:85	130'	80% solid content adduct, suitable for formulation of high solid systems.
Ranzeen Cure 405	Polyamide Imidazoline	500:1200	< 12	400	95	100	50	100'	For epoxy- tar, flooring and coatings. Good reactivity.
Ranzeen Cure 406	Accelerated Polyamide	200:400	< 12	585	76	100	40	30'	Fast curing, low viscosity, good emulsifiability.
Ranzeen Cure 410	Polyamido Imidazoline	100:500	< 12	370	95	100	50	400'	For casting and encapsulations. Low viscosity and long pot life.
Ranzeen Cure 411	Polyamide Adduct	200:400	< 12	575	66	100	35	40'	For casting and encapsulations. Low viscosity and fast curing speed.
Ranzeen Cure 412	Polyamido Imidazoline	200:900	< 12	370	95	100	50	380'	Low viscosity and long pot life. Developed for non labelling epoxy-PU systems.
Ranzeen Cure 413	Polyamido Imidazoline	100:500	< 12	460	95	100	50	180'	For casting and encapsulations; low viscosity and long pot life; very good electrical and mechanical properties.
Ranzeen Cure 418	Accelerated Polyamide	1300	< 12	540	95	100	50	40'	Good reactivity and mechanical resistance, adhesion, sandability
a = in combination with epoxy									