

ELANTAS PDG, Inc. Product Selection Guide

Application Legend

PM = Power Management

ED = Electrical Devices

HT = High Temperature
Insulation

PCB = Printed Circuit Boards

EI = Electrical Insulation

ME = Microelectronics

CU = Controller Units

Potting and Encapsulation Compounds

Product	Application	Chemistry	UL Flame Rating	UL RTI Rating Elec/Mech or MIL-Spec	Initial Mixed Viscosity @ 25°C, cps	Shore Hardness
Bectron® PK 4332	PM, CU, ME, ED, EI, HT	1K Polyurethane	--	--	4500 - 6500	35A
Bectron® PK 4340	PM, CU, ME, ED, EI, HT	1K Polyurethane	--	--	8000 - 11000	70A
CONAP® EN-5800 SERIES	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-0	130°C/130°C	7500 - 8500	85A
CONAP® FG-41	PM, CU, ME, ED, EI, HT	2K Polyurethane	--	--	250	00055
CONATHANE® EN-7 / EN-8 / EN-9	PM, CU, ME, ED, EI, HT	2K Polyurethane	--	--	5500	90A
CONATHANE® EN-11 / EN-12	PM, CU, ME, ED, EI, HT	2K Polyurethane	--	--	5750 / 6500	60A / 50A
CONATHANE® EN-20 / EN-21	PM, CU, ME, ED, EI, HT	2K Polyurethane	-- / 94 HB	--	1200 / 2000	60A / 80A
CONATHANE® EN-1556	PM, CU, ME, ED, EI, HT	2K Polyurethane	--	MIL-M-24041C	10040	80A
CONATHANE® EN-2550	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-0	50°C/120°C	3000	65D
CONATHANE® EN-5310	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-2	--	3000	17A - 55A
ELAN-Tron® U 510S Brown/ ELAN-Tron® UH 510S	PM, CU, ME, ED, EI, HT	2K Polyurethane	--	--	3200 - 4200	50 - 60A
ELAN-Tron® U 515 Black/ ELAN-Tron® UH 65	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-0	150°C/150°C	2000 - 3000	80A
ELAN-Tron® U 2449 FR Black/ ELAN-Tron® UH 510S	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-0	140°C/160°C	15000 - 25000	73A

CONASHIELD™ “Flood Coat”

Product	Application	Chemistry	UL Flame Rating	UL RTI Rating Elec/Mech	Initial Mixed Viscosity @ 25°C, cps	Shore Hardness
CONASHIELD™ CS-212	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-2	--	10000	50A
CONASHIELD™ CS-313	PM, CU, ME, ED, EI, HT	2K Polyurethane	94 V-0	--	8000	85A

Conformal Coatings

Product	Application	Chemistry	Qualifications	Solids Content, %	Tack Free Time @ 25°C	Cure Time @ 25°C
CONATHANE® CE-1155	CU, ME, ED, PCB	Polyurethane	MIL-I-46058-C, Type UR IPC-CC-830B UL 94V-0	60A / 65	5 - 6 hrs	24hrs for handling / 7 days for full cure
CONATHANE® CE-1164	CU, ME, ED, PCB	Polyurethane	MIL-I-46058-C, Type UR IPC-CC-830B H Free IEC61249-2-21	50	20 - 30 min.	24hrs for handling / 7 days for full cure
CONAP® CE-1170	CU, ME, ED, PCB	Acrylic	MIL-I-46058-C, Type UR IPC-CC-830B H Free IEC61249-2-21	31	10 - 15 min.	24 hours
Bectron® PL 1102	CU, ME, ED, PCB	Acrylic	MIL-I-46058-C, Type AR IPC-CC-830	21	30 - 45 min.	30 min.
Bectron® PL 4122	CU, ME, ED, PCB	Urethane Alkyd	Type UR IPC-CC-830 UL 94V-0 BMW GS 95011-5	40 - 45	1 hr	16 hours
Bectron® PT 4600	CU, ME, ED, PCB	Polyurethane	MIL-I-46058-C, Type UR IPC-CC-830	100	5 - 10 sec w/ UV	72 hours
Bectron® SC 76V1-20	CU, ME, ED, PCB	Silicone	IPC-CC-830	100	12 min.	24 hours

Hi-Temp Adhesives

Product	Application	Substrate to be Bonded to	Mix Ratio wt.	Tg, °C	Shear Strength, psi
EpoxyLite® E 810-1	ME, ED, PCB	Metal	100 / 125 / 11	220	1700
EpoxyLite® E 5403	ME, ED, PCB	Metal, Ceramics, Plastics	100 / 28	220	1800
EpoxyLite® E 6103	ME, ED, PCB	Metal, Ceramics, Plastics	100 / 39	200	2000
EpoxyLite® E 8121	ME, ED, PCB	Metal, Ceramics, Plastics	100 / 50	220	2500

Specialty Hi-Temp Potting Compounds

Product	Application	Substrate to be Bonded to	Mix Ratio wt.	Tg, °C	Shear Strength, psi
EpoxyLite® E 813-9	ME, ED, PCB	Metal, Ceramics, Plastics	100 / 40	200	2000
EpoxyLite® E 6203	ME, ED, PCB	Metal, Ceramics, Plastics	100 / 50	220	2500