

# ACHINABLE PRODUCTS

#### **MACHINABLE BOARDS**

Product	Product Description  Medium density boards for models and patterns				70	Application		Density lb/ft³ (g/cc)	Hardness (Shore D)	CTE x10-6/ (in °F)	Tg (°F)	Dimensions (inches)
Medium a	density board	s for mode	els and pattern	S								
Prolab 65	Polyurethane dimensional		e, good surface finish, hi	gh	Models, patterns, finishing	vacuum forming, accepts	paint, hand	42 (0.65)	63	42	185	
Lab 1151	Polyurethane chined	e, high dimensior	al stability, easily CNC m	ıa-	Light weight boar	d ideal for creation of che	cking fixtures	51 (0.82)	76	27	158	20" x 60" x 2", 3" and 4" thick
Lab 1188	chined				Ideal for room ten machining fixture	nperature laminates and s		54 (0.86)	80	18	212	
High dens	sity boards fo	r tooling										
Lab 850	Abrasion resi thermoplasti				Foundry patterns, vacuum forming,	stretch forming tools, core boxes		74 (1.18)	80	60	1/6	20" & 24" x 60" 2", 3" and 4"
Lab 1000	High compre high dimens	essive strength, ional stability			Stamping, pressin molds	g tools, hammer forming	and injection	104 (1.67)	89	28		24" x 36" 2", 3", 4" and 6"
Adhesive I	recommenda	tions for L	oards									
Product	Preferred Adhe- sive <sup>1</sup>	Tg °F (°C)	Viscosity	Pot life (minutes)	Time to Machine (Hours)²	Alternative Adhesive³	Tg °F (°C)	Viscosity	Pot life (minutes)	Tim	e to Machin (Hours)²	Other Products <sup>4</sup>
Prolab 65	AL 2108	154 (68)	Medium-Thin	25	8 - 10	Ax-Bond Epoxy 1	113 (45)	Medium	7		3 - 4	F16, F19
Lab 1151	AL 2108	154 (68)	Medium-Thin	25	8 - 10	Ax-Bond Epoxy 1	113 (45)	Medium	dium 7		3 - 4	AS 2020
Lab 1188	Lab 1188 AL 2108 154 (68) Medium-Thin			25	8 - 10	H9951	140 (60)	Medium	50		8 - 10	Ax-Bond Epoxy 1
Lab 850 A	b 850 Ax-Bond Epoxy 1 113 (45) Medium			7	3 - 4	H9951	140 (60)	Medium	50		8 - 10	AL 2108
Lab 1000	1000 AS 2020 302 (150) Paste			60	16 - 24	H9951	140 (60)	Medium	50		8 - 10	AL 2108

<sup>&</sup>lt;sup>1</sup>Best all around adhesive for the board in terms of matching board properties.

#### **EXTRUDABLE PASTES**

Product	Description	on Color Application		Density (g/cc)	Hardness (Shore D)	CTE x10-6/ (in °F)	Tg (°F)	Mix ratio by Volume	Time before machining
Epoxy low de	Epoxy low density pastes for modeling								
SC175	75 Can be applied to any core or substrate, easy to machine, very good surface finish.		Styling exercises, patterns, composite parts and molds, infusion molds,	0.63	53	39	181	100:100	1 day
SC390	Low cte, high Tg paste for tooling, high dimensional stability		Low temperature prepreg (150°F) in autoclave	1.06	75 <sup>(1)</sup>	29(1)	190(1)	100:100	1 day
Epoxy high d	lensity paste for tooling								
SC300	Strong, high dimensional stability good heat resistance		Stamping tools, prepregs, vacuum forming, RIM and cold drawing	1.58	87	24	190	100:60	1 day
Repair pastes									
M175/M10			Repair of voids and damage to tools and models made with SC175 paste.	0.62	57	-	136	100:100	4 hours
M390/M10	90/M10 Repair for SC390 extrudable paste		Repair of voids and damage to tools and models made with SC390 paste.	0.91	69	-	181 <sup>(1)</sup>	100:58	4 hours

 $^{(1)}$ Elevated temperature post cure recommended, see TDS for details



New!

New!

 $<sup>^2</sup>$ Times based on 77°F (25°C) ambient temperature conditions, cool temperatures (<75°F (24°C)) give longer times.

<sup>&</sup>lt;sup>3</sup>Popular alternate adhesives, suitable for many applications.

<sup>&</sup>lt;sup>4</sup>Adhesives that may offer advantages in some applications.

# SURFACE COATS SURFACE COATS

#### **EPOXY SURFACE COATS**

Product	Description	Color	Applications	Pot Life (min)	Hardness Shore	Density (g/cc)	Mix Ratio by weight Resin:Hard	Demold Time	Viscosity (mPa.s.)	Tg <sup>(1)</sup> (°F)
Can be pol	ished or sanded									
AS 2003-1	Excellent edge coverage, no sag on vertical sur- faces, easy to apply		Master models, trim fixtures, Keller models, patterns and core boxes	25	83D	1.19	100:16	12 h	40,000	164
AS 2005	For plastic faced plaster tooling, color cure indica- tor, thixotropic with good vertical hang up		PFP tooling, master models, duplication splashes, ceramics	25	88D	1.75	100:10	10 h	300,000	185
S11 Blue	Bonds to wet plaster or concrete, heat resistant, high gloss finish		Plastic-faced plaster, thermoplastic sheet forming molds, spotting racks	15	88D	1.22	100:16	8 h	Thixotropic	200
S20	Chemical resistant, applies easily, excellent finish, high Shore hardness		Surface coating of molds requiring chemical and heat resistance	35	90D	1.46	100:16	16 h	Thixotropic	275
AS 2020	20 Excellent temperature resistance, no sag on vertical surfaces Fillets and reinforcements, laminating in product of molds		Fillets and reinforcements, laminating in production of molds	60	92D	1.52	100:11	12 h	Thixotropic	310

(1)After elevated temperature post cure, see TDS for details.

#### **POLYESTER FILLERS AND GEL COATS**

Product	Description	Color	Application (It		Hardness (Shore D)	Service Temp (°F)	Cure Time (min.)	Mix ratio by weight Resin:Cat.	Pot life (min.)
High perform	nance polyester fillers								
APF 77/1	Flame-retardant, self-extinguishing meets FAR 25.853		Repair honeycomb panels/substrates, finish surface of composite panels	1.00 (8.34)	73	185	20	100:2	11
APF 4	Low shrinkage, excellent bond properties for metals, plastics and wood		Versatile repair paste, fill voids, bond inserts, fiberglass repair	1.81 (15.10)	89	285	20	100:2	6
APF 6 Orange	No styrene, chemical resistant, can withstand 400°F		Repair nicks, FRP molds, high temperature repairs, holes, cracks	1.35 (11.30)	88	400	30	100:2	10
APF 7	Styrene free, service temperature up to 400°F, chemical and water resistant		Repair wind blades, FRP molds exposed to high heat, underwater applications	1.70 (14.20)	88	400	15	100:2	5
Sprayable po	olyester gel coats								
APF 1700 S	Sprayable, rapid layer build up when applied in thin coats, impact resistant, styrene free		Master mold surfacing, preparation or surface repair of molds	1.33 (11.1)	88D	400	60	100:1	27
APG 1750 S	Sprayable high temperature gel coat, high gloss finish, styrene free		Creation of high gloss mold surfaces, high heat and impact resistance	1.28 (10.7)	88D	400	90	100:2	18

#### **MOLD RELEASES**

Product	Description	Applications Applications
Mold Release 100 (Paste Wax)	Hydrocarbon naptha and wax blend in a convenient paste form, silicone free	Mold break-in, base wax, or primary release agent for polyurethanes, polyesters or epoxies, at temperatures up to 175°F
Mold Release 101 (Liquid Wax)	Specialized blend of parting agents in easy to apply liquid fom, silicone free	General purpose mold release, suitable for sealed wood, composite or metal surfaces, with temperatures to 175°F
Mold Release 102 (Aerosol Can)	Semi-permanent, dry-film fluorocarbon release agent with no waxes or silicone. Does not transfer to parts.	Suitable for epoxies, polyurethanes, and polyesters. Temperature range to 250°F. Can be used as a dry lubricant as well.
Mold Release 103 (Aerosol Can)	Blend of silicones and other parting agents for excellent release of urethanes	Suitable for epoxies, polyurethanes, and polyesters. Temperature range to 400°F.
Mold Release 870 NA (Aerosol Can)	Wax based mold release in a hydrocarbon carrier, particularly well suited for RIM process using polyurethanes. Contains silicone.	This mold release is useful for polyurethanes and suitable for sealed wood, composite or metal surfaces, with temperatures to 212°F. Not recommended for laminating systems.

## CASTING RESINS

#### **EPOXY CASTING RESINS**

Product	Description	Color	Applications	Pot Life	Hardness Shore	Density (g/cc)	Mix Ratio by weight Resin:Hard	Demold Time (Hours)	Viscosity (mPa.s.)	Tg <sup>(1)</sup> (°F)
AC 2310 Fast AC 2310	Excellent abrasion resistance, Low viscosity		Surface casting on all types of metal dies for wear resistance	35m 4h	93D	2.00	100:10	16h 24h	10,000	160
Modium	High temperature resistance, low settling, aluminum filled		Dimensionally stable, high temperature tools	3h 15m 2h 15m 1h 5m	95D 84D 84D	1.68	100:8 100:5 100:7	72h 36h 24h	22,000 27,000 25,000	264 306 253

 $<sup>\</sup>ensuremath{^{(1)}}\mbox{After}$  elevated temperature post cure, see TDS for details.

#### **FAST CAST POLYURETHANE RESINS**

Product	Description	Color	Applications	Pot Life (min)	Hardness Shore	Density (g/cc)	Mix Ratio by weight Iso:Polyol	Demold Time (min)	Viscosity (cps)	Tg (°F)
Filled										
F100 Grey F100 Med F100 LPL	Low shrinkage even when very thick, fine grain		Up to 70mm thick, foundry patterns, negatives, vacuum forming tools	5 9 14	82D	1.68	100:100	30m 45m 1h	2,200	225
Unfilled										
F132	Fast setting, unfilled polyurethane, not brittle at demold		Prototype parts, miniatures	2m 15s	72D	1.05	100:100	20m	85	219
F16	Low viscosity, heat resistant		Small to medium scale series, stamping tools, di- mensional checking fixtures	2m 20s	72D	1.05	100:100	30m	100	212
F18	Low viscosity, can use additional fillers for thermal conductivity		Negatives, molds, masters	3m 30s	70D	1.08	100:100	45m	60	176
F23	Filled sandable, polishable fast cast system		Decorative items such as statuettes, figurines, bas- reliefs, prototypes, fixtures	5	80D	1.57	20:100	30m	1,700	194
F19	Low shrinkage, long potlife, heat resistant		Core boxes, foundry models, model plates, ceramics	7	72D	1.07	100:100	1h 30m	78	212
F50	Works well in thicknesses up to 15 inches with fillers added		Foundry patterns, negatives, vacuum forming tools	40	83D	1.30	50:100	12h	350	150

#### **POLYURETHANE RESINS**

	Product	Description	Color	Applications	Pot Life (min)	Hardness Shore	Density (g/cc)	Elongation (%)	Mix Ratio by weight	Demold Time (hours)	Viscosity (mPa.s.)
	UR5801/ UR5825	Soft, low viscosity, water resistant, can be colored, self-degassing		Candle molds, concrete and plaster molds, stucco molds	25	30A	1.16	800	8:100	24h	1,000
	UR5801/ UR5835	Soft, low viscosity, water resistant, can be colored, self-degassing		Candle molds, concrete and plaster molds, stucco molds	18	35A	1.19	1,000	10:100	16h	1,000
	UR5801/ UR5850	Soft, low viscosity, water resistant, can be colored, self-degassing		Concrete molds for texturing and forms	13	50A	1.19	1,100	14:100	12h	1,100
!	UR3435	Low viscosity, self-degassing, high resilience, high tear strength		Casting seals, anti-vibration mounting blocks, and ceramic molds	22	65A	1.15	1,000	100:100	24h	1,800
	UR3558	Impact resistant and resistant to peeling, fast molding, abrasion resistant	translucent	Foundry patterns, core boxes	25	95A	1.04	460	100:42	10h	3,000
	UR3560	Excellent impact and abrasion resistance, available in 3 colors.		Foundry patterns, core boxes	15	60D	1.04	220	100:40	8h	2,500
	UR3490	Reduced toxicity, high impact, rapid cure		Foundry patterns, engineering parts	14	67D	1.12	120	100:50	16-24h	1,500



#### **EPOXY LAMINATING RESINS**

	Product	Description	Color	Applications	Pot Life (min)	Hardness Shore	Density (g/cc)	Mix Ratio by weight Resin: Hardener	Demold Time (Hours)	Viscosity (cps)	Tg <sup>(1)</sup> (°F)
	Filled Resins for	Hand Layup and Vacuum bag	ging								
	AL2103/2103 AL2103/2103LPL	Low/No vertical sag, room temperature cure, low toxicity, dimensionally stable	White	Use with glass or organic fabrics, laminating and bonding, LPL=longer pot life	25m 75m	85D 95D	1.33 1.26	100:16	12h 24h	3,000 2,000	132 146
	Epolam 2500/2500 Epolam 2500/2501	Self-extinguishing, FAR25.853 qualified, fast and slow hardeners available	Off white	Fire resistant composites for aircraft interions	1h 20 25m	88D 89D	1.20	100:22 100:18	16h 4h	3,500 1,800	212 199
	AL2120	Aluminum filled, high temperature laminating system for tooling	Gray	Vacuum form tools, autoclave tools, high tem- perature bonding fixtures	60m	82D	1.27	100:16	24h	5,500	248
	Unfilled Resins fo	or Hand Layup and Vacuum L	pagging								
	AL2108	Thin film cure, clear, fast wetting	Clear	Master models, duplication splashes, patterns, core boxes	25m	85D	1.10	100:25	10h	1,000	154
	Epolam 2020	Curing time controlled by adding accelerators, low viscosity, good wetting	Clear	Very best composite parts, wet lay-up, resin transfer molds	2h 15m	85D	1.10	100:34	48h	500	176
	RSF 816	2017/2019 Laminating system for vacuum bagging with heated cure, long open time, quick demold		Designed for any transparent top-coating lami- nate by wet lay-up methods	25m	82D	1.15	100:40	16h	500	176
	AL2017/2019			Composite automotive bodies by vacuum bag- ging, resin transfer molding	3h 35m	84D	1.14	100:32	24h	1,080	178
	Epolam 2015/2014 Epolam 2015/2015 Epolam 2015/2016	Designed for production of composite structures by wet layup methods. Lloyd's Certified	Clear	Wood impregnation, vacuum bagging, filament winding, resin transfer molding	60m 140m 400m	83D 82D 84D	1.12 1.08 1.14	100:32 100:32 100:32	24h 30h 48h	650 550 450	196 190 178
	Epolam 2022	Heat resistant unfilled laminating system	Clear	Vacuum bagging, filament winding. resin transfer molding, resin infusion	60m	85D	1.10	100:40	24h	500	212
	Epolam 2025/2025 Epolam 2025/2025L	Heat resistant unfilled laminating system well suited for thick sections	Translucent	Vacuum bagging, filament winding, resin trans- fer molding, composite tooling	70m 110m	87D 87D	1.12 1.16	100:28 100:33	24h 24h	1,300 1,800	275 275
New!	AL2201	High temperature system for hand layup and infusion.	Clear	Vacuum bagging, resin transfer molding, resin infusion	5h 30m	87D	1.10	100:35	48h	650	320
	Infusion Resins										
	Epolam 5015/5014 Epolam 5015/5015 Epolam 5015/5016	Infusion systems, very low viscosity, excellent wetting properties	Clear	Production of large parts, boat hulls, wind turbine blades	45m 2h 15m 3h 45m	82D 84D 83D	1.12 1.10 1.12	100:34 100:30 100:36	18h 24h 48h	225 210 225	176 180 179
	Epolam 2035/2025 Epolam 2035/2025L	Intermediate elevated temperature infusion system with 2 different set times	Clear	Production of composite tooling by infusion for temperatures to 265°F	105m 165m	83D 83D	1.12 1.12	100:27 100:31	24h 48h	400 500	266 266
New!	Epolam 2070	High temperature infusion or wet-lay up system	Clear	Parts requiring temperature resistance, high temperature tooling	180m	88D	1.13	100:31	12h <sup>(2)</sup>	500	320
	Epolam 2090/2026	Low viscosity system designed for the production of high temperature tooling by infusion	Translucent	Production of very large tools for high heat applications - 360°F at 90 psi	25h	90D	1.14	100:53	12h <sup>(2)</sup>	650	400
	Laminating Pasto	es									
	Epopast 400	Low shrinkage, low odor, easy to mix and apply		Large negatives, inspection jigs, ceramics tool- ing, foundry core box covers	2h	80D	0.91	100:14	24h	Paste	158
	Epopast 402/400	Low shrinkage, low odor, easy to mix and apply		Large negatives, inspection jigs, ceramics tool- ing, less abrasive then Epopast 400	2h	81D	0.76	100:14	24h	Paste	158
	Epopast 206	past 206 Heat resistant, dimensionally stable, low density		Large negatives, tooling for composites and vacuum castings	1h 25m	70D	0.91	100:12	20-24h	Paste	258
		Kits for Laminating Pastes									
		A combination of a room temperature face coat and Epopast 400 or Epopast						ermediate la	yer between t	he sur-	
	Epopast 206 Coupling Layer Kit Coat and Epopast 206. Reduces defects in tool construction. Complete instructions for use are included in the kit.						ige developed	l as an interm	ediate layer	between the s	urface
	.19 -2/21							(1)After elevate	d temperature p	ost cure, see TDS	for details.

(1)After elevated temperature post cure, see TDS for details.
(2)Precure needed prior to demolding, see TDS for details



5

# RAPID PROTOTYPING



#### **VACUUM CASTING RESINS**

	Product	Description	Color	Characteristics	Pot Life (min)	Hardness Shore	Density (g/cc)	Flexural Modulus (PSI)	Elongation at break (%)	Mix Ratio by weight	Demold Time at 70°C	Tg <sup>(1)</sup> (°F)
	Rigid Ca	sting Resins										
	PX245 PX245L	Filled, very short demold time, very rigid		Similar to P.O.M. and filled thermoplastics	4 8	85D	1.22	652,500	3	100:40	30m 60m	203
	PX330 <sup>(2)</sup>	Fire retardant, meets FAR 25.853		Technical parts for aeronautics, all parts where fire certification is needed	5	87D	1.33	478,500	2.9	100:100	45m	220
į	PX5214HT	Improved formulation, optically clear casting, polishable, low viscosity	Clear	Acrylic, glass, crystal, or polycarbonate	21	84D	1.07	382,000	10	100:60	2h	216
	PX226 PX226L	Very short demold time, low viscosity		Similar to filled ABS or PA 6.6	4 7.5	82D	1.20	362,500	15	100:50	25m 60m	221
	PX223HT	Low viscosity, impact resistant high heat resistant		Prototype parts that require ABS similar properties and use	7	80D	1.14	333,500	11	100:80	45m	>248
	PX521HT PX522HT	Optically clear casting, low viscosity, high heat resistance, polishable,	Clear	Polycarbonate, glass or crystal, PMMA	20 7	87D	1.06	304,500	10	100:55	2h 45m	230
	Semi-Rig	gid										
	PX100	Low viscosity, can be mixed by hand		Polystyrene, polypropylene, prototype parts like H.I.P.S.	15	74D	1.16	217,500	20	100:100	4h	167
	PX212	Low viscosity, fast demold time, impact resistant	Clear	Polypropylene, ideal for rotomolding applications as well	5	76D	1.15	174,000	25	100:100	1h 10m	194
	PX205	Unbreakable, living hinge effect		Polypropylene	14	70D	1.08	72,500	100	100:50	1h	203
	Flexible											
	PX761	High heat resistance, long pot life		Rubber like prototype parts	10	63A	1.03	-	1,000	100:45	1h 30m	-

 $<sup>^{(1)}</sup>$  After elevated temperature post cure, see TDS for details,  $^{(2)}$  Meets regulation FAR 25.853 for flammability 12 seconds on 2.2 mn

#### **RIM POLYURETHANE RESINS**

Product	Description	Color	Characteristics	Pot Life (sec.)	Hardness Shore	Density (g/cc)	Flexural Modulus (PSI)	Mix Ratio by weight Iso:Polyol	Demold Time	Tg <sup>(1)</sup> (°F)
Multi-use Rli	W									
RIM 826/902	Very high impact resistance, easy to use		High impact resistant, prototypes	80-100	73D	1.12	116,000	100:100	25m	203
RIM 610	Fire retardant, UL 94-VO, ABS-like		Suitable for electrical housings	50-70	80D	1.29	305,000	100:100	20m	221
RIM 880	Neutral color, polycarbonate properties		Easily tinted, sag-free post cure, fast demold	60-80	84D	1.14	329,000	100:100	7m	201
Blendable Po	olyols for Adjustable Properties									
RIM 875 <sup>(1)</sup>	High impact resistance, Polyol can be mixed to obtain intermediate stiffness		Prototype parts, polypropylene, polyethylene appearance	60-80	75D	1.12	145,000	80:100	15m	212
RIM 975 <sup>(1)</sup>	High impact resistance, Polyol can be mixed to obtain intermediate stiffness		Prototype parts, small runs, polypropylene/polyethylene appearance	38-42	75D	1.18	145,000	75:100	10m	302
RIM 876 <sup>(2)</sup>	High impact resistance, Polyol can be mixed to obtain intermediate stiffness		Prototype parts, ABS/polystyrene appearance	60-70	80D	1.12	290,000	100:100	15m	212
RIM 976 <sup>(2)</sup>	High impact resistance, Polyol can be mixed to obtain intermediate stiffness		Prototype parts ABS/polystyrene appearance	35-40	80D	1.18	290,000	100:100	10m	302

 $<sup>^{(1)}</sup> Used$  with RIM 875/975 Iso  $^{(2)} Used$  with RIM 876/976 Iso

<sup>(1)</sup>After elevated temperature post cure, see TDS for details.

New!

#### **MOLD MAKING SILICONES**

	Product	Description	Color	Characteristics	Pot Life (min)	Hardness Shore	Density (g/cc)	Elongation at break (%)	Tear Strength (ppi)	Mix Ratio by weight Resin:Cat	Demold Time	Viscosity Mixed (cps)
	Essil 125NA	Standard, poly-condensation, tin catalyzed		Self release soft mold for rapid prototyping	240	25A	1.11	350	130	100:10	24h	40,000
New!	Axsil 4240 Resin Axsil 4225 Cat Axsil 4240 Cat Axsil 4245 Cat	Tear resistant, dimensionally stable, resists polyurethane, low viscosity, platinum catalyzed, Axsil 4240 Cat available in regular and self-bleed versions	Translucent	Reproduces detail with accuracy, well suited for reproductions with optical qualities such as lenses	180 120 120	23A 38A 45A	1.08	300 340 205	85 120 130	100:10	16h	40,000
	Essil 245/245	Standard, poly-addition, platinum catalyzed		Self release soft mold for	100	45A	1.33	400	150	100:10	24h	40,000
	Essil 245/255	Standard, poly-addition, platinum catalyzed		rapid prototyping	100	55A	1.33	400	150	100:10	24h	40,000
	Ax-sil Oil 50	Low viscosity silicone oil to reduce viscosity and extend both poly-addition and poly-condensation cure silicones. Can be added at up to 10%	Transparent	Low viscosity silicone oil diluent for silicone resin systems	Visc Wor Har Tens Tea	osity osity k Time/ Pot Life dness, Shore A sile Strength s Strength ease	)		Effect Decre Incree Decre Decre Decre	ease ease ease ease		

#### **ADHESIVES**

Product	Description	Color	Bonding Applications	Open Time (min)	Initial Hard (min)	50% Full Adhe- sion	Lap Shear (psi)	Peel Strength (pli)	Elongation (%)		
Adekit High Performance Epoxy Adhesives in Cartridges											
Adekit A130	Fast setting liquid adhesive with excellent mechanical properties		Decorative elements, stone, tile, composites	10	15	30m	3,900	17	3		
Adekit High Performance Epoxy Adhesives in Bulk											
Н9930	Fast setting liquid adhesive with excellent mechanical properties		Decorative elements, stone, tile, composites	10	15	30m	3,900	17	3		
Adekit High Performance Polyurethane Adhesives in Cartridges											
Adekit A211	Slow setting, high elongation, FAR 25.853 self-extinguishing		ABS, nylons, PVC, glass, wood, metals to ABS, polyesters	40	5h	16h	1,450	51	6		
EasyMax	Very fast setting polyurethane, excellent performance, easy to use		Wood, nylons, PVC, glass, ABS, metals to ABS, concrete, polyesters	2	10	-	1,450	-	-		
Adekit A251	Flexible adhesive for strong vibrations and low temperatures		Semi-structural bonds, composites, metals, dissimilar materials, plastics	8	60	-	1,600	51	300		
Adekit A290	Very fast setting, high mechanical and aging performance		Composites, metals, plastics, dissimilar materials	3	10	30	2,100	51	90		
Adekit High Performance Polyurethane Adhesives in Bulk											
H6210	Long potlife adhesive, non sag paste, excellent vibration resistance		Panel bonding, composites, dissimilar materials	60	5h	18h	1,450	28	77		
H6211	Slow setting, high elongation, FAR 25.853 self-extinguishing		Self-extinguishing, ABS, nylons, PVC, glass, wood, metals to ABS, polyesters	40	5h	16h	1,450	51	6		
H6290	Very fast setting, high mechanical and aging performance		Composites, metals, plastics, dissimilar materials	3	10	30	2,100	51	90		

#### OEM APPROVED PRODUCTS

Product	Main Usage	Certification	Company	Approval Reference				
Core Fillers								
CF 230/234	Panel Edging	FAR 25.853	Airbus	PQ 10053-040-03				
			Dassault/Falcon	CR 1.7.0.50				
CF 230/238	Core Filling	FAR 25.853	Dassault/Falcon	CR 1.7.0.50				
CF 180	Core Filling	FAR 25.853, ABD0031	Dassault/Falcon	CR 1.7.0.50				
Fillers								
APF 4	Room temperature tool repair and p	atch	Boeing	D32102-5.2				
APF 7	High temperature tool repair and pa	tch	Boeing	D32102-5.4				
Adhesives								
Adekit A211	Plastic Bonding	FAR 25.853, ABD0031	Thales					
Resins								
Epolam 2500	Wet layup laminating	FAR 25.853	Eurocopter	ECS2226				
Epolam 2500/2501	Aircraft interior composite repair	FAR 25.853, ABD0031	Airbus	RS C-M-00260 Issue 1 AIMS 04-27-001 Issue 1				
PX330	Fabrication of plastic parts	FAR 25.853						
RIM 610	Fabrication of electrical housings	UL 94-V0						
Tooling Boards								
Prolab 65	Milling/machine checking path		Boeing	BOEING				
Lab 850	Metal forming tool		Airbus					
Term explanations			•					
FAR 25.853	Determination of self extinguishing properties, specific to the aerospace industry							
ABD0031	Includes FAR 25.853, plus smoke opacity and smoke toxicity							

#### **ANCILLARY PRODUCTS**

#### **Protectorant**

Bloxygen (case of 12) used with urethanes to prolong storage stability

#### **Hardeners**

Cream Hardener BPO for APF Fillers Available in Red, Black and White 1 oz. tubes and 4 oz. tubes

#### **Coloring Kits for Urethanes**

Coloring kits come in single colors or an assortment kit. We have a kit of 1oz assorted tubes in the colors listed. Individual colors are available in 16 oz. bottles.

#### **Static Mixing Tips**

21 element,

0.213" dia., 5.25" length (50ml cart.) pkg 12

#### **Fillers**

Mineral Filler - Z30150 (Alumina trihydrate filler especially for fast cast systems, 5 gallon pail only)

Aluminum Powder - 3085 (Aluminum Powder filler, 5 gallon pail only)

#### Mixing Guns - for Dual Syringe Cartridges

50ml manual 1:1 400ml manual 400ml pneumatic

### GLOBAL OFFERING, LOCAL AVAILABILITY AXSON TECHNOLOGIES LOCATIONS WORLDWIDE

Axson France
Tel. +33 1 34 40 34 60
axson@axson.fr
axson.fr

office@axson-ce.sk

axson-ce.sk

 axson@axson.fr
 axson@axson.es

 axson.fr
 axson.es

 Axson Slovakia
 Axson Italy

 Tel. + 42 1 76 42 25 26
 Tel. + 39 02 96 70 2

Axson Spain

Tel. +39 02 96 70 23 36 axson@axson.it

Tel. +34 9 32 25 16 20

Axson Germany
Tel. +49 6 07 44 07 11-0
verkauf@axson.de
axson.de

Axson UK
Tel. +44 16 38 66 00 62
sales@axson.co.uk
axson.com

Axson Japan
Tel. +81 5 64 26 25 91
sales@axson.jp
axson.jp

**Axson China**Tel. +86 21 58 68 30 37 china @axson.cn axson.com.cn

Axson Middle East
Tel. +971 7 2432227
info-middleeast@axson.com

info-middleeast@axson.com info@axsontect axson.com axsontech.us

Axson India
Tel. +91 20 25 51 07 10/11
info.india@axson.com
axson.com

Axson Technologies US, Inc. Tel. +1 517 663 8191 info@axsontech.us axsontech.us

Axson Mexico
Tel. +52 55 52 64 49 22
axson@prodigy.net.mx
axson.com.mx