

MARINE
TOOLING & COMPOSITE SOLUTIONS

Valley Tool

BUILDING TRUST

POLYESTER FILLERS & FAIRING COMPOUNDS

Product (Formerly)	Use Temp (°F)	Pot Life (min/g)	Resin Color	Shore D Hardness	Description
SikaBiresin® AP014 (P-14)	285	4 - 6/100	White	86	Versatile; fast-set, dimensionally stable; used for filling/fairing porosity & voids on composites' surfaces
SikaBiresin® AP017 (P-17)	400	5 - 7/102	White	80	High heat-resistant, quick setting, minimal shrinkage, high gloss finish with excellent bond strength
SikaBiresin® AP077 (P-77)	400	9 - 11/50	White	86	High heat-resistant, easily sandable; suitable for above & below the waterline applications
SikaBiresin® AP112 (P-11 Type II)	130	4 - 6/100	Dark Green	83	Fiber-filled fill/bonding paste for increased strength of repairs on broken marine or other FRP structures

EPOXY FILLERS & FAIRING COMPOUNDS

Product (Formerly)	Hardener	Speed	Cure to Sand Time (hours)	Pot Life (min/g)	Mixed Viscosity (cps)	Description
SikaBiresin® AP861 (Marine 861 UltraFair)	**AP861-1**	Fast	6 - 8	48/102	Non-sag paste	Trowelable filler for fairing large surface imperfections on aluminum, steel, fiberglass or wooden marine vessels; above & below the waterline
SikaBiresin® AP100 (ProSeal EZ)	**AP100-1**	Fast	4 - 6	15/200	7,000 - 10,000	White, sandable coating system used to fill and seal surface fabric textures in FRP reinforced structures
	AP100-3	Slow	16 - 24	61/200	7,000 - 10,000	

EXTRUDABLE EPOXY PASTE

Product	Tg (°F)	CTE (ppm/°F)	Density (lbs/ft³)	Shore D Hardness	Description
SC 175	181	39	39	60	Extrudable epoxy paste for models, tools, and plug production by extrusion process
SC 180	180	43	50	62	

RESIN SYSTEMS

Product (Formerly)	Hardener	Speed	Tg (°F)	Mixed Viscosity (cps)	Pot Life (min/g)	Description
SikaBiresin® CR86 (ProInfusion)	**CH86-2**	Fast	171	200 - 400	20 - 30/150	High clarity epoxy infusion/laminating system for production of composite structures and marine applications
	CH86-3	Medium	178	200 - 400	80 - 100/150	
	CH86-6	Slow	183	200 - 400	145 - 175/150	
	CH138-10	High Temp	280	450 - 650	250 - 300/150	
SikaBiresin® CR72 (Marine 820)	**CH72-1**	Fast	154	650	30 - 40/200	UV-resistant, general purpose system for fabrication of laminated or infusion molded composite parts & structures
	CH72-2	Medium	163	350	40 - 50/200	
	CH72-3	Slow	159	425	50 - 60/200	
SikaBiresin® CR94 (L-140)	**CH94-1**	Fast	194	800 - 1,200	20 - 30/150	Epoxy lamination system used for building, repairing or restoring any type of marine vessel
	CH94-3	Medium	203	800 - 1,200	65 - 95/150	
	CH94-6	Slow	203	1,000 - 1,400	110 - 160/150	

2-COMPONENT POLYURETHANE

Product	Working Temp (°F)	Tensile Strength (MPa)	Mixed Viscosity (cps)	Shore D Hardness	Elongation at Break (%)	Application
Adekit A236	-40 to 230	12	Thixotropic Paste	55	60	Large composite parts bonding; used for deck bonding, hull bonding and interior design

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