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EpoPro® 2-Part Epoxy Adhesive Selector Guide

◊ = Stock items. Other items may have a 2-3 week lead-time	Mix Ratio A:B (By Wt.)	Mix Ratio A:B (By Vol.)	Mixed Viscosity @ 77°F (cps)	Hardness (Shore)	Pot Life (min.)	Time to Handling Strength	Tensile Lap Strength (psi)			Elongation (%)	Color*	Applications / Special Features
							@ 25C	@82C	@-55 C			
EpoPro 100A/B ◊	80A:100B	1A:1B	45,000	80D	90	10 hours	3900	250	2840	9	Translucent Amber or Black	Multipurpose Adhesive – excellent adhesion to most materials. Long work-life. Excellent moisture & environmental resistance. Good vibration resistance
EpoPro 101A/B ◊	100A:40B	2A:1B	3,500	84D	90	12 hours	2300	700	--	9	Clear to light yellow	Clear, very light colored adhesive with low viscosity. Good impact and vibration resistance
EpoPro 103A/B ◊	1A:1B	1A:1B	13,000	80D	4	15 minutes	2560	200	1200	7	Water Clear	Clear, Fast setting adhesive. Cures at temperatures as low as 5C/41F. Low odor, mercaptan cured epoxy
EpoPro 103C/D	1A:1B	1A:1B	Semi-paste	82D	5	15 minutes	2500	500	1350	5	Translucent	Non-running, toughened version of EpoPro 103A/B
EpoPro 104A/B ◊	100A:50B	100A:60B	12,000	84D	120	12-18 hours	2250	1080	2400	3.9	Amber or Black	Variable Hardness adhesive – can provide rigid or flexible bonds. Good adhesion to metals, plastics, & most other materials. Good chemical resistance. Some mix ratio conform to FDA 21 CFR 175.105 & 175.300, NASA outgassing requirements, Mil-A-81236, MMM-A-134 type I, MMM-A-187B, and/or CID A-A-3053
	100A:84B	100A:100B	12,000	81D	95	12-18 hours	2000	1000	2800	7.5	Amber or Black	
	100A:150B	100A:180B	12,000	75D	125	12-18 hours	1280	450	2100	40	Amber or Black	
EpoPro 105A/B ◊	2A:1B	2A:1B	90,000	85D	35	6 hours	2700	2200	2050	0.7	Gray	Heat & Chemical Resistant Adhesive with heat resistance up to 150C
EpoPro 106A/B	100A:40-60B	2A:1B	5,000	75D	75	12 - 18 hours	2000	625	1950	--	Amber	Bond vinyl, PVC, Ultem (polyetherimide), & Declar T. Used for laminating rigid sheets & repairs. Solvent free.
EpoPro 107A/B ◊	4:1	2:1	75,000	85D	120	18 hours	2400	1200	2800	3	Black	Filled version of EpoPro 104A/B – good thermal shock & impact resistance. Good Dielectric properties. Economical.
EpoPro 108A/B ◊	100A:6B	100A:10B	Smooth paste	89D	30	12 hours	2000	1950	2650	1.2	Off-white	Wipe-on smoothing paste - fills porosity in composites, foams, wood, etc. Good Dielectric properties. Easy to sand.
EpoPro 109A/B ◊	100A:10B	100A:12B	Non-sag Paste	79D	35	12 hours	2500	800	--	2	Tan	Non-Sag/non-flowing paste. Excellent for vertical bonding & filling large gaps.
EpoPro 109A/B180	2A:1B	2A:1B	Non-sag Paste	79D	180	18–24 hours	2781	1000	2500	2	Tan	Long work-life version of EpoPro 109AA/B
EpoPro 110A/B	100A:42B	2A:1B	13,000	85D	95	8 hours	4100	3200	--	5	Translucent	High strength adhesive for bonding wood, composites, & other materials for archery, skis & many other applications. Good Heat resistance. Cures fast with heat.
EpoPro 110A/C	2A:1B	2A:1B	11,000	85D	30	4.5 hours	3980	2560	--	6	Translucent	Fast setting version of EpoPro 110A/B
EpoPro 113A/B ◊	1A:1B	1A:1B	48,000	80D	30	12 hours	3000	500	2000	2	Light Green	High performance toughened adhesive. Meets Mil-A-52194, Navy XWS15351, & WS09125C
EpoPro 114A/B ◊	1A:1B	1A:1B	2,000	70D	120	24 hours	3000	575	3150	8	Amber	Excellent for bonding composites, plastics and material with high CTE mismatch. Good moisture, salt water, & fuel resistance including JP-4.
EpoPro 154A/B	5A:1B	4A:1B	Semi-Paste	80D	30	6 hours	2100	800	1810	--	Off-white	Flame Retardant, semi-paste adhesive. Good chemical and environmental resistance. Heat resistant to 200F.
EpoPro 157A/B	1A:1B	1A:1B	Non-sag Paste	85D	30	4 hours	2100	300	2010	1.8	White	Epoxy repair & fairing material. Non-metallic fillers prevent electrolytic corrosion. Bonds stone, metal, etc. Can be sanded, ground, tapped, drilled, etc.
EpoPro 158A/B ◊	1A:1B	1A:1B	Paste	89D	25	2–4 hours	2840	330	2280	3	Gray	Aluminum filled repair adhesive. Excellent for bonding metals, stone, etc. Meets Mil-A-1754
ASTM Test Method			D-2393	D-2240	D-2471		D-1002			D-638		

* Most Colors can be customized with clear or opaque tints or colorants. Also many of the gel times and other properties can be customized to meet your needs.