

Kit sizes available:
 1 Pt
 1 Qt
 ½ Gal
 2 Gal
 5 Gal
 10 Gal

Powerfil

Product Description:

Powerfil is a two component thixotropic epoxy/polyamide gel. To make Powerfil we combine our G-1 Wooden Aircraft Epoxy with special thickeners. The thickening agents are not fillers and do not reduce strength. Powerfil is for bonding items which do not fit perfectly. It can also be used as an extremely hard, tough filler. Powerfil provides good wetting without sagging and it does not shrink once cured. Powerfil can be machined, sanded, drilled and painted. It is waterproof and has excellent chemical resistance. It will not crack or peel. Powerfil is tintable and is compatible with most paints. Powerfil should be used on dry surfaces and cured at room temperature. For cool and damp applications see Powerbond.

Product Uses:

Wood to Wood – Repairing and filling wooden boats and checked glue lam beams or logs.

Wood to Fiberglass – Use for bonding archery bows. Also bonds wooden members to the inside of fiberglass boats.

Fiberglass to Fiberglass – Bonding hull to deck joints or filling plastic autobody parts. Bonds fiberglass pipe to fiberglass pipe.

Metal to Wood – Bonding fittings, brackets, rebar or fasteners into wooden beams for log building construction.

Metal – Filling and fairing steel boats. Beveling welds. Non-shrinking, non-water absorbing metal autobody filler for car restorations.

Rock – Bonding granite or marble to itself or other surfaces for counters and décor.

Porcelain – Repairing and filling all sinks, toilets and basins.

Ceramic – Repairing chips in cast iron bathtubs, dishwashers and appliances.

Physical Properties:

Mix Ratio by Volume	100:100
Mix Ratio by Weight	100:100
Total Solids	100%
Mixed Viscosity	500,000 cps
Mixed Color.....	Amber
Minimum Application Temperature.....	20°C (68°F)
Tensile Strength	6,000 psi
Compressive Strength	12,000 psi
Coverage @ 3mm.....	0.3 m ² /L (13ft ² /Gal)
Service Temperature Range	-20°C to 72°C (-4°F to 162°F)
Gel Time @ 25°C (77°F) Jet Cure Hardener45 Minutes (500g mixture)
Cure Time @ 25°C (77°F) Jet Cure Hardener.....	.24 Hours (500g mixture)