

TECHNICAL DATA SHEET

Quick Set Seal Epoxy

1:1 Ratio

Our Quick Set Seal material is a rapid setting two component epoxy resin system designed for the sealing and rehabilitation of porous wood and other substrates being embedded in resin products. The material is used to coat and seal wood surfaces preventing air from within wood fibers from escaping. Applied as a thin layer with a glue brush it will seal out chemical incompatibilities and other irregularities caused by air, unknown substances, and moisture contained within the wood. Depending on the porosity of the wood, multiple thin layers may be applied. It may also be used to quickly fill holes and cracks in wood. This material features a forgiving and easy to use 1 to 1 by volume mix ratio and contains a powerful UV inhibitor to prevent premature yellowing. The material has a medium viscosity which should hang well upon vertical surfaces long enough for the material to gel and set. The material is designed specifically for rapid cure in thin sections to facilitate the work process. It features good adhesion to other common materials besides wood including glass, metal, cured fiberglass composites, and most other plastics. The material cures to a hard, clear plastic in 2 hours. Cure time for this material may be accelerated by mild heating. It will easily accept most dyes, pigments, and art effect additives though, some colors may change appearance slightly upon curing. This material may lightly blush in very thin films or high humidity. As with all adhesive type compounds, proper surface preparation is essential for good bond strength, additionally recoating of this material should be accomplished before the material is thoroughly cured generally in less than 24 hours. If the material has cured hard or blushed a light sanding and solvent wash may be necessary before recoating.



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	Resin A Side	Hardener B Side
Appearance:	Clear syrup	Slight Amber colored syrup
Viscosity	4500 cps	4500 cps
Weight Per Gallon	9.6 lbs.	8.15 lbs.
Mix Ratio	1 to 1 by volume (100 parts A to 87 parts B by Weight)	
Gel Time (100 grams @ 77 F)	10 to 13 minutes	
Thin Film Set Time	2 to 3 hour at (RT) depending on mass	
Hardness	65 to 70 Shore D	