

TECHNICAL DATA SHEET

Bar & Table Top Epoxy

1:1 Ratio

The WiseBond™ UV Stable Bar & Table Top Epoxy System is a high performance two component clear epoxy system. This system is designed for most table and counter tops, bar tops, wood tables, artwork projects, see-through encapsulations, and other applications requiring a clear, strong, plastic coating. This epoxy is specifically designed to resist yellowing caused by Ultra Violet light sources and the sun. The material has an easy to use 1 to 1 by volume mix ratio. Do not mix by weight. It wets out substrates, maintains its integrity over sharp corners, and has excellent air release qualities. With a relatively fast set time for an epoxy coating, the material can be easily accelerated by warming the epoxy containers in a hot water bath to around 110-120°F depending on the application, or mold material. While this material will do much better than other brands for non-yellowing, we still do not recommend it for permanent outdoor applications unprotected from the weather elements.



WiseBond™
2111 58th Ave East, Bradenton, FL 34203
941-896-9851
866-427-2547
info@wisebond.com
www.wisebond.com

WiseBond™ is a division of
DeckWise®, The Ipe Clip® Fastener Company
2111 58th Ave East, Bradenton, FL 34203
941-896-9851
866-427-2547
info@deckwise.com
www.deckwise.com

	Resin A Side	Hardener B Side
Appearance:	Blue syrup	Clear liquid
Viscosity, Spindle #4 @ 6 rpm:	12,000 (+/- 2,000)	1,150 (+/- 300)
Weight Per Gallon	9.6 lbs.	8.0 lbs.
Mix Ratio	1 to 1 by Volume or 100 A to 83 B by Weight	
Gel Time (100 grams mass)	25 minutes (+/- 5 min.)	
1/4" Casting Tack Free Time:	2.5 hours (+/- 30 min.)	
Thin Film Set Time	4 to 8 Hours depending on thickness and ambient temperature	
Full Cure	24 to 48 hours for optimum properties	
Hardness	83—85 Shore D (83/7 days - 85+/30 days)	
Elongation	> 15%	

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ADVANTAGES:

- 100% Solids
- Self Leveling, High Gloss
- U.V. Resistant Formula
- Excellent Air Release
- Excellent Color Stability
- Improved Impact Strength
- Improved Surface Appearance
- Early Development of Physical and Performance Properties
- Produces a Tough, High Gloss, Water Resistant Coating
- Eliminates Craters, Crawling and Fish Eyes
- Blush Resistant

- This product will work well with wood, glass, ceramic, stone aggregate, cement, electronic parts and most metals. Do not use over an oil-based stain.
- The ideal working temperature is around 77°F. Best results can be obtained at temperatures between 70°F and 85°F, in a clean, dry, dust-free environment. Avoid working in high humidity. We recommend using this product on a leveled and flat work surface.
- Thorough mixing is very important. Pour Hardener B in mixing bucket first, followed by the Resin A and mix for 3 minutes. Scrape the mixing bucket sides and bottom to ensure complete mixing. For best results, mix in one bucket then pour mixture into second bucket and very thoroughly mix again.
- For best results, mixing should be a slow and deliberate process try to avoid unnecessary air bubble entrapment. Use plastic stirring sticks, as well as paint mixing paddles on a drill at low speed.
- Moisture, grease or other chemicals contained within wood or other substrates can become volatilize, creating bubbles or surface distortions. For best results seal any questionable areas with a thin coat of mixed epoxy accelerated with heat or a quick cure epoxy.
- This product has excellent UV resistance, but all epoxy products will eventually begin to yellow under sunlight. This includes the hardener agent side resin, as well as the finished cured products.
- Most wood will take the material well in a single coat however, many types of wood (and concrete) require a seal coat to prevent air bubbles from rising up and ruining the surface. Older, more porous pieces of wood may contain both air and moisture that can contaminate the finish. In this case, the user may first paint on a very thin coat of Bar & Table Top Epoxy, allowing that to set 24 hours before pouring the final layer.
- Use thin pours of no more than 1/4 inch. Utilizing step casting build-up technique can be employed using multiple pours. Wait 24 hours between pours for proper curing. Layers may be roughed up with sand paper for proper adhesion.

NOTE: Bar & Table Top Epoxy is VOC-Free. We do not have FDA approval certifying direct, long-term contact with food, however once epoxy is fully cured for 30 days, it is an inert plastic and should be fine for incidental exposure to food. It is not antimicrobial. Epoxy is not safe to ingest (liquid or cured). Do not cut on or prepare raw food on epoxy surfaces.

Bar & Table Top Epoxy 1-Gallon Kit is a 100%-solids, Low VOC, two-component epoxy formulated for long-lasting, durable table tops. This 1:1 ratio resin and hardener epoxy has high UV inhibitors and produces a SUPER CLEAR hard exterior coating. It is a self-leveling epoxy, high gloss finish that protects tables from scratches and air humidity. Apply as a finish flood coat epoxy for applications requiring a high level of surface transparency and polish. It may also be used as a waterproofing adhesive for edge gluing wooden boards together.

This material is for professional use only, using adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given in good faith but should be verified by the end user, as is the suitability of the material for their application. The warranty of this material shall be limited to the replacement of defective material.

