

TECHNICAL DATA SHEET

DEEP Pour™ Epoxy 2:1 Ratio

The WiseBond™ DEEP Pour Epoxy System is a proprietary product designed for large 2" thick castings, art work, synthetic imitation water, food displays and other decoupage applications requiring a low viscosity, low heat build up, and low shrinkage. This slow setting material cures into a very clear, hard, glossy solid. It can be cured with very few internal bubbles, and readily accepts dyes, pigments, UV Inhibitors and other special effects powders, pearlescent micas and glitter. Additionally it makes an excellent encapsulating material for display items, curios, scientific samples, electronics, and LED lighting. The product cures very slow which is ideal for large scale castings where excessive heat or shrinkage cannot be tolerated. For small castings 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, and mold material.



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WiseBond™ is a division of
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| | Resin A Side | Hardener B Side |
|-----------------------------|--|------------------------|
| Appearance: | Clear thin syrup | Clear thin liquid |
| Viscosity | 750 cps +/- 50 | 80 +/- 10 |
| Weight Per Gallon | 9.3 lbs. | 8.2 lbs. |
| Mix Ratio | 2 to 1 by volume (100 to 44 by weight) | |
| Gel Time (100 grams @ 77 F) | 18 to 24 hours | |
| Gel Time (160 F) | 1 Hour | |
| Cure Time | 36 to 48 hours | |
| Hardness | 75 to 80 Shore D | |
| Heat Distortion Temp. | 110 F | |

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- 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.
- As both materials are clear, 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.
- The material while slow setting needs to release heat to prevent yellowing, wood being an excellent insulator tends to trap heat. The use of a fan can help dissipate heat.
- On a case by case basis, pours as thick as 2 inches have been achieved by knowledgeable artists. Utilizing step casting build-up technique can be employed using 2 or 3 thinner pours. Wait 24 hours between pours for proper curing. Layers may be roughed up with sand paper for proper adhesion.
- While we supply a quality material that can create great works, you are the artist, not us.

NOTE: DEEP Pour[™] 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.

DEEP POUR[™] Epoxy 1.5-Gallon Kit is a 100%-solids, no VOC, two-component epoxy with high UV inhibitors formulated for a long gel time. With a low exothermic heat buildup it cures to a crystal-clear solid that resists cracking. Our DEEP POUR[™] is a 2:1 Ratio Kit perfect for river tables, art/object casting and see-through encapsulation, accentuating the objects within. It can be poured up to 2" thick for river tables and up to 5" castings in a single pour. This epoxy cures to a water-like appearance, and cures slowly allowing entrapped air bubbles to escape easily.

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.