

## Technical Data Sheet

## Resinate UltraCast Resin

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Resinate UltraCast Resin is a two component, self-leveling, 100% solids epoxy coating containing zero VOCs. It will provide a high-gloss, smooth and wear-resistant finish that will protect your desired piece from the elements. It has excellent humidity, impact, abrasion and thermal resistance. It can be poured reliably up to 2 inches thick in a single pour.

Resinate UltraCast Resin contains UV inhibitors & HALS (Hindered Amine Light Stabilizers) to help resist the effects of UV radiation. The effects of UV resistance will be less pronounced, though yellowing can eventually occur overtime depending on the specific conditions of the UV exposure.

For larger river table pours, be prepared for approximately 5-10% shrinkage. Rippling may also occur. Both of these can be minimized if you cool the room during curing (15°C is a good temperature to keep the room at). At a colder temperature, be prepared for curing to take longer than the standard 48 hours.

For the best even finish on large river tables, sanding is recommended as ripples may be inevitable. Any grit from 80 - 4000 will work and depends on what finish you are going for. A common sanding sequence would end with a 320 grit.

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**Mixing Ratio:** Resin to Hardener ( 2 : 1 )

**Pot Life (Working Time):** 40 minutes @ +20°C (+68°F)

**Drying Time:** Dry to touch 48 hours @ +26°C (+79°F) | Full cure 72 hours @ +26°C (+79°F)

Temperature variance will affect curing time; we do not recommend application below +10°C (+50°F).

**Appearance & Finish:** Clear and Glossy

**Solids Content:** 100% (ASTM D2697)

**VOC Content:** Part A Resin and Part B Hardener combined contain 0 g/L of VOC

**Hardness: 80 (Shore D)**

**Viscosity:** 1150 cP

**Specific Weights:** Resin 4.35 kg (9.6 lbs) / 3.78L (1USG) |

**Temperature Limits:** Dry Heat +110°C (+230°F)

Above temperature limits are laboratory test results. Resinate UltraCast Resin is non-flammable.

**Flash Point:** Greater than +280°C (+536°C)

**Cured Resin Performance:** Elongation at break 30 – 80% depending on temperature (ASTM D638)

Adhesion 350 psi (ASTM D4541)

Fungus/Bacteria resistance resulted in no support of growth (Mil-F-52505)

**Clean Up:** Disposable mixing containers/tools are recommended. Otherwise, a solvent based cleaner can be used.

**Shipping Information:** Class 9 DG, UN , PG III (Part B Hardener only)

**Shelf Life:** Approximately 1 year unopened

**Disclaimer:**

Resinate makes no warranty or guarantee, express or implied, including warranties of suitability for a particular purpose or merchantability respecting its Products. All consequential damages, labor and cost of labor incurred from any sort of product failure is not the responsibility of Resinate or its owners. We recommend users to conduct a test piece before main application to ensure substrate compatibility is to users liking.

**Precautions**

Keep out of reach of children. Wear protective gloves. Seal containers after use. Avoid contact with skin, eyes and clothing. Use in well ventilated area. In case of emergency, seek medical attention immediately. For more safety information, please refer to our Safety Data Sheet.