

Deco Resin 2103

Liquid Glass

DESCRIPTION:

Deco Resin 2103 is a two component, clear epoxy casting resin specifically formulated to be poured thick,

It is designed to be slow curing so epoxy will not be overheated

Deco Resin 2103 is intended for thick and large pours 5-10 cm depending on the size of your project.

Features:

- Easy to use, professional results with a clear glass-like finish.
- Long open time, excellent bubble release with crystal clear clarity.
- The UV resistant formula has a pleasing citrus scent, is waterproof, heat and chemical resistant.
- Epoxy can be tinted with metallic/glow pigments for solid colors or transparent dyes to create a colored glass look.
- Finished castings can be turned on a lathe for projects such as pens, vases, etc.
- Water, heat and chemical resistant and can be buffed or polished to a high sheen if desired.

INSTRUCTIONS FOR USE:

1- Check for wood slab moisture content, the moisture content should be less than 15%, in case wood is still moistened, allow drying before proceeding to cast any epoxy.

2- Once slabs are sufficiently dry < level and sand the slab pieces as necessary. Remove all loose bark or glue. If using an adhesive to attach parts together, allow it to completely dry or cure before proceeding.

3- All wood edges must be sealed to stop bubbles from escaping while filling voids with resin. Most hard and soft woods absorb resin readily and they expel air as they do.

4- This can create chimney like bubbles which can be very difficult to stop or remove, to prevent this; wood surface must be sealed properly with a coat of Deco Resin 2103.

5- After wood surface is fully sealed, allow to cure for 8 hours.

6- Fix wooden slabs in a containment box properly, wooden slabs might shift or float during pouring of resin.

7- Secure containment box, and make sure it is sealed properly.

8- Apply release agent or wax to the containment box before casting of resin to prevent resin from adhering to the box material. Always test release materials before casting.

9- Calculate the quantity of resin required, and make sure all materials and tools are available before proceeding to the casting process.

10- Make sure to level the containment box (Mold) and the wooden slab, and to remove any dirt or contaminants.

11- Deco Resin 2103 performs best at 25 c; make sure the resin packing is not too hot or too cold before mixing.

12- Pour in depths between 5-10 cm for each coat; allow curing for 8 hours before applying second coat.

13- Measure carefully, and do not change proportions for any reason. To avoid over heating with large mixes; DO not mix quantities more than 10 liters at a time.

14- Use a stir stick or paint paddle to mix the resin and hardener. Do not use an electrical drill. Stir thoroughly for 2-3 minutes; scrap the sides and bottom of the container. It is advised to stir for 2 minutes in one container, and then transfer the mix to a new container and mix for one additional minute.

15- Allow mixture to set for a few minutes, and then remove any excess bubbles by torch or heat gun. Make sure not to overheat the resin.

16- Allow to cure for 48 hours at 25 C.

17- Remove from containment box (Molding).

18- Where necessary sand wood and cured resin with grit 120 sand papers, and then proceed to finer grit as required. After sanding clean surface with lint free cloth moistened with isopropyl alcohol. Note that all sanding marks will disappear when applying sealing coat.

19- Use Deco Resin 3309 for final coat (refer to TDS). Apply one or more coats of Deco Resin 3309, to obtain a highly gloss, chemical and heat resistant, glass like finish.

20- For added protection, consider application of wax on the cured surface.

The added step will prevent fingertips, and smudges, as well as preventing items from sticking to the new surface. Apply and buff as per instructions.

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TECHNICAL DATA:

Item	Resin A	Hardener B
Color	Transparent	Transparent
Viscosity@25°C(Mpa.s)	3000-3500	300-350
Mixing Ratio	2:1	
Hardness (Shored)	82-85	
Solid Content	100%	
Operation Time	50-60 min@25°C	
Curing Time	12hrs@25°C, 8hrs@40°C	
Final Cure	48hrs@25°C	
Polishing Time	48hrs@25°C	
Shelf Life	12 Months	

PACKAGING:

Deco Resin 2103 is available in 1.5 kg, and 15 kg packages.

STORAGE:

Keep containers tightly closed when not in use and store in a cool ventilated space away from sun and heat sources.

SAFETY - HEALTH:

Deco Resin 2103 is flammable, keep away from heat sources.

Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. After contact with skin, wash immediately with plenty of clean water. Wear suitable protective clothing, gloves and eye/face protection.

Cleaning:

All tools and equipment should be cleaned immediately after use with Solvent 10. Hardened material can only be removed mechanically.

SERVICES:

For further information on this product together with advice on application, please contact The Technical Advisory Department.

WARRANTY (Disclaimer):

Decorete® fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Decorete®'s responsibility shall not exceed either the refund of the purchase price, or the replacement of the purchased product.

KEEP OUT OF REACH OF CHILDREN