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Read all instructions before opening the resin can

This Kit Includes:

- 32 Ounces of Premium Non-Yellowing Polyester Resin*
- 10 Nitrile Rubber Gloves (non-latex, powder free)*
- 5 Stirring Sticks*
- 5 Wax Free 3 Ounce Paper Mixing Cups*
- 1 3"x 5"x 1-1/16" Deep Reusable Castin' Craft® Poly Mold (MC-7)*
- 1/2 Ounce of MEKP Catalyst*
- 1 10 Ounce Mixing Cup*
- 4 Ounces of pellet weights*
- 1 1 Ounce Mixing Cup*
- Assorted Sizes of Cork & Rubber Stoppers*

Warnings

This product is intended for use in a well-ventilated area only. Do not smoke while using this product. Do not use this product near an open fire or flame. Do not use this product in liquid form near any electrically radiated heat source. Do not ingest this product. If accidentally ingested, seek medical attention immediately. Wear safety glasses and protective gloves while handling this product. Keep this product out of the reach of children.

Cautions

Do not mix this product in Styrofoam or poly styrene containers. Casting resin is a poly styrene in liquid form which will dissolve these types of containers. Silicone, Paper, Poly-Propylene and glass vessels are preferred. Using this product on days when the humidity is excessive will result in your blanks being tacky. I.E. Do not use if it is raining outside. Refrain from mixing resin when ambient temperature is below 60 degrees F. Low temperatures will result in very excessive cure times. Do not return catalyzed resin to the can. Keep the can tightly capped when not in use. Do not store casting resin at temperatures above 80 degrees F. Do not subject the resin to freezing temperatures. Be sure that all of your desired color effects are thoroughly mixed in before adding any catalyst.

Notes

A free downloadable copy of the MSDS for the resin and MEKP are available on our website on the Resin Casting Supplies Page. You may also request paper copies by sending a self-addressed, stamped envelope to Wood-N-Whimsies, 9985 Lawrence 2239, Monett, MO 65708 along with your written request. Casting resin has a one year shelf life from the time you open the can and pour off resin. The air pocket at the top of the can will now start the degrading process. Un-waxed paper cups make great disposable mixing vessels.

Procedure

- 1. Prepare an area to pour your casting. Make sure the area is free of dust and debris, or anything which may inadvertently blow or fall into your casting.*
- 2. Using a clean non-Styrofoam or Styrene mixing cup or container. Pour in the desired amount of Casting Resin. The correct amount can be determined by prefilling your mold with water to the*

desired level and then pouring that water into your mixing vessel. Mark a line at the water level on the mixing vessel and then pour the water into a dependable measuring cup. The line you drew will give you the correct level to add the resin up to in the mixing vessel. Keep in mind that there is some shrinking of the cured resin from the original pour level. You can expect a very small amount of shrinkage. The top surface will usually settle down in the middle of the casting.

- 3. If the ambient temperature is between 60 and 77 degrees F, add six drops of MEKP per ounce of resin. You can determine the MEKP quantity needed by checking the water level in your measuring cup/vessel. If the temperature is above 77 degrees F, reduce the amount of MEKP to 4 drops per ounce of resin. These ratios are only a recommendation. You can add more MEKP if desired to speed up the hardening process. Keep in mind that increasing the ratio of MEKP will cause your casting to be more brittle. Also, since your casting will harden faster, you may trap bubbles inside the finished work. You may add coloring to the resin while it is in a liquid state. We recommend using Castin' Craft dyes which we sell on our website or you can use a number of other products such as alcohol inks and dry powder coat paints or inlance dyes. For Pearlescent color effects, use Pearl-Ex Powders. Slowly stir your resin so as to not induce bubbles. Be sure to scrape the sides of the mixing vessel to ensure the MEKP is evenly mixed throughout.*
- 4. Pour the catalyzed resin into your mold and let it set for 24 hours. After 24 hours the resin should be hard. If not then you will have to radiate exterior heat into the casting. There are several variables which will cause the casting to stay tacky. The main cause is a high relative humidity. This can be solved by removing the casting from the mold (even though it is tacky, it will come out, you will probably find that the unexposed sides are dry) and placing it on aluminum foil in a 150 degree toaster oven for 30 minutes. This will set the resin up firm. Curing (hardening) time is dependent upon amount of catalyst used, thickness of the casting, ambient temperature, resin temperature, humidity and amount and types of colorants used. DO NOT PUT ANY REMAINING CATALYZED RESIN BACK IN THE CAN. Discard remaining catalyzed resin.*
- 5. Drill and turn your casting as desired. Use Micro-Mesh for your final polishing steps to produce a brilliant shine. Polyester Casting Resin can also be polished with Single Step Polish after sanding with a 600 grit abrasive.*

If you have questions regarding a specific use of this product, please call us at 417-236-2814 and we will be happy to assist you. If you get the answering machine, please leave a return phone number and we will return your call as soon as possible. Please do not call us for full detailed instructions for projects not listed within these instructions; other projects are widely available on the internet in both written and video form and are downloadable usually free of charge.

Do not use this kit for anything except for its intended purpose. Wood-N-Whimsies is not responsible for damages caused by wrongful or careless use of this product. Since we have no control over the conditions under which you store this product. All sales of Polyester Resin are final. Do not return unused portions of Polyester Resin in either liquid or hardened form. Polyester Casting Resin is not a thermoset acrylic monomer and cannot be used as a wood stabilizer since the Poly-Styrene molecules are too large to be absorbed into wood fibers. This would be a case of trying to use this product for other than its intended purpose.