



Basic Resin Casting

OVERVIEW

Basic casting technique, producing a solid resin cast

BEFORE YOU START

Your work surface should be level and flat.

Endeavour to have the room temp at recommended working level of resin.

Have all product and tools close at hand.

REQUIREMENTS

Mould, compatible with resin

Resin, we used Easycast

Talcum powder

Mixing containers (2), stirrer, scales

SAFETY FIRST

Most materials used in today's hobby moulding and casting are safe if used properly and as directed.

READ ALL TECHNICAL AND SAFETY INFORMATION FOR EACH PRODUCT PRIOR TO USE.

- Always follow manufactures instructions when using product.
- Keep products out of reach of young children.
- The wearing of rubber gloves and protective clothing is recommended.

SETTING UP

Place your mould on a flat, level surface. Check your mould is clean. Sprinkle talcum powder in mould. Use a soft paintbrush to dust powder into details. Tap mould to discard excess powder. The talcum powder acts as a "slip" agent and assists the resin in flowing into the mould.

If you are using a two part mould, place the mould halves together matching the registration "keys". Secure with a rubber band. Ensure the rubber band is tight but not too tight as to deform the mould. This helps in minimizing seam lines in the cast. You could also use a strong piece of cardboard on two opposite sides of the mould and tape as a stabilizing system.

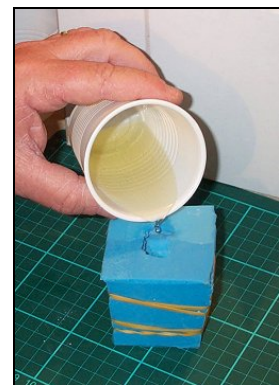


MEASURE, MIX & POUR

Measure your resin into two separate containers ie a container for Part A and a container for Part B, as per the manufacturers instructions. Easycast is a 1:1 mix, so 100gm of Part A = 100gm Part B.

Dependant on the working time of the resin, you will have to work quickly. Ensure your mould is close to hand, not on the other side of the room.

Then add Part B to Part A (or Part A to Part B, doesn't really matter unless manufacturers instructions say otherwise). Stir quickly, with a flat stirring instrument (paddle pop stick) for approximately the count of 10 or until combined thoroughly. Pour the resin into your mould, filling to the top. Gently tap the sides of your mould, and top up, if necessary. Easycast starts as a clear liquid, becoming white as it cures. Whilst curing, resin gets quite warm, so be careful.



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CURING & DEMOULDING

Allow the resin to cure. Curing will take from 30 mins up to 2 hours or more, depending on the resin used. After allowing the specified cure time, double check by touching the resin. If the resin is cold, it is ready for demoulding. If the resin still feels warm, it is too early yet. Don't be tempted to demould your resin before time. If your part comes out whilst warm, it may warp or deform during the remainder of curing time. Demoulding your cast too early could also decrease the life of your mould.

When resin has cured, gently manipulate the cast from the mould. If using a two-part mould, remove the rubber bands, gently separate the mould halves and remove your cast. Your cast should be an exact duplicate of your Master.

What if it's not? Check your mould for deformations, grit or dust. Check your Master for any anomalies. Then try again



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