

## FastCast R01 liquid Resin ultra

FastCast R01 liquid Resin is ultra-low viscosity casting resin that produce castings which are bright white and virtually Air bubble free. Vacuum degassing is not necessary. The product has the advantage of being a one to one mix ratio (one part A to one part B by volume). Fully cured castings are very strong, durable, and paintable. The casted parts can also be sanded cut and shaped with relative ease.

### Preparation

There are a number of different moulds on the market and a great number of materials they may be made of, so it is important to ensure your mould is properly prepared. You should apply the liquid release agent to the mould using a brush, ensure you coat the entire mould where the resin is likely to touch, you would not want to spill the resin only to find that it has bonded itself fast to the sides or back of the mould and ruined it, so a good rule is to coat the whole mould at least once. Then add a few more quick thin coats on the face where you will be pouring the resin. Let the mould fully dry for about 10 minutes or longer. You're now ready to start casting.

If your first casting comes out extremely easy, you can make more right away without having to wax each time, you will notice that the more you cast the more the resin bonds, so when you feel it's getting harder to extract the casts, just brush on more wax first.

If you want to go back to casting in powder then just wash your mould in soapy warm water and you're ready to go but don't forget you will need to wax again when using Resin.

### Mixing

It is highly recommended that you use small containers (Disposable Cups) relative to the amount of mix, you will find that a small shot glass type cup about half full of part A and another half full of part B will be enough for casting smaller moulds such as Linka or ScaleCast moulds. Set out the amount of equal parts of Part A and Part B, then use a third cup to mix the two parts together, Use either a plastic spoon or a Lollipop stick and mix the two parts vigorously for about 10 seconds. Don't worry about air bubbles, these will disperse themselves.

Immediately and carefully fill your moulds and use the mix as quickly as you can. You should avoid over filling the moulds, there is no need to scrape off excess as this may only lead to a film of plastic that you would have to remove.

Use the rule of mix less material and if you're short just pour it and mix another small amount to complete the job.

### Adding the Filler

On Small components you do not need any filler, however on a larger item the filler will make the cast stronger and less likely to warp or twist out of shape. You can add filler up to the total amount of the mix, so if for instance you were making 20ml of mix, you can add 20g of filler, or less if you wish.

You put the filler in the empty mixing cup first, then pour both A and B in at the same time, mix exactly the same nice and vigorously and pour exactly the same. One difference is it will be harder to

see when the mix is setting, but the cure time is exactly the same. So use your finger or a tool to feel the cast is hard before you extract it.

### Pot Life

The pot life will vary with the temperature, however at normal room temperature you can expect 4-5 Minutes.

The minimum recommended extraction time is 10-15 Minutes however you may leave it up to several hours if you wish

### Extraction

FastCast R01 is virtually clear when mixed and will begin to turn white as soon as it begins to cure. You should ensure the part being cast is completely white and solid to the touch before you extract. Dependent on how much time has elapsed the part may flex and bend (Feel soft) however you can then place the part on a flat even surface and push back to a flat form very easily. Then allow to set solid.

### Further help

If you have any question please use the contact form on the website

<http://www.linkaonline.co.uk/>

Also you may want to check out the Resin Casting Videos on our website and our YouTube page

<http://www.linkaonline.co.uk/youtube-channel.html>

<https://www.youtube.com/user/LinkaModels/videos>



Resin Cast Video 02



Resin Cast Video 01

There will also be new videos, and tips on the website so keep checking for new helpful content.