

## Transcription of Enterprising Australians video Lee Batey – Sealz

The video for this transcript can be found on the Questacon YouTube channel at:  
<https://www.youtube.com/watch?v=uGzJT8lFohU>

### Transcription from video:

[intro music]

Jason: Hi, my name's Jason and I'm here in Perth in Western Australia to meet Lee Batey. He's the inventor of Sealz, the rapid transition glasses.

[Image shows Jason standing outside on a back patio.]

Come on in, let's have a look.

[Image shows Jason walking into Lee's workshop. Lee gets up from a desk chair to shake Jason's hand.]

Hi Lee, I'm Jason, nice to meet you.

Lee: How are you going Jason? Nice to meet you.

Jason: So how are the Sealz going?

Lee: Yeah, great, really good actually, we're in another design phase at the moment but everything is looking promising.

Well actually at the moment we're making a prototype of a part right now.

I'm about to pour the plastic into the mould.

I don't know if you want to check it out?

Jason: Yeah absolutely! Come on, let's have a look.

[Image shows Jason and Lee walking over to Lee's work desk.]

Lee: Okay, so what we have here is we've got the silicon moulds which I've made from the master parts for the glasses.

And what we do is we cast those parts as a master and from here on we can make multiple parts of the same one.

[Image shows a close-up of the silicon moulds on Lee's desk.]

Jason: So what kind of materials do you have there?

[Image shows Lee unscrewing the cap from a large white bottle.]

Lee: Well what we've got here is we've got a fast set rigid polyurethane and it's in a liquid form, so what you've got is Part A and Part B and we just mix them 50:50. And also what we're going to use is an aluminium powder, okay.

[Image shows Lee pouring liquids from the two bottles into two plastic cups.]

Jason: So once you've poured the two materials you're going to combine them together to make the final material?

Lee: Yep, that's what we're going to do and that's when we've got to work really fast.

Put on your dust mask, cause this is just fine aluminium powder, and we get this one as quickly as we can, and getting down into the bottom and making sure that everything's combined correctly, now, let's go.

[Image shows Jason putting on a dust mask. Image shifts to a close up of Lee pouring the liquid from one plastic cup into the other and then stirring it quickly.]

We want to try and get a nice thin stream going cause that helps eliminate any air bubbles.

[Image shows a close-up of Lee pouring the liquid into the silicon moulds.]

Jason: So you're just slowly pouring it into the silicon mould there?

Lee: Just trying to fill it up like a liquid flowing into a river... And compression...

[Image shows Jason flipping one half of the silicon mould atop the other and squashing it down.]

Okay, so that's essentially the pour, so now it's safe to take this off, I mean there's no fumes or anything anymore coming from that anymore.

[Image shows Lee and Jason removing their dust masks.]

When this is all done, this is what I'm left with.

[Image shows Lee holding a piece of white plastic.]

Is a part like this so this is called flashing and it's just a matter of breaking it off, and that's a replica!

Jason: Fantastic!

Lee: What I have got here for you Jason is a prototype I made just for you.

[Image shows Lee picking up a pair of Sealz and holding them up to show Jason.]

I've sized it up to your head from your measurements and hopefully this is going to work just perfect for your head.

Jason: Awesome! Can I test these out?



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Lee: Sure can.

[Image shows Jason turning towards the camera.]

Jason: Fantastic! Well let's get down to the ocean and let's test these out for real!

[Image shifts to Jason standing in front of the ocean putting on the Sealz. Jason turns and runs towards the water and dives under the waves. Image shifts to handheld footage of Jason emerging from the water then diving back underneath the waves.]

[Image shifts to the Enterprising Australians logo.]