



# One Part Mould Making using RTV Silicone Putty

**OVERVIEW** – The use of RTV Silicone Putty to create a quick & simple one part mould

**REQUIREMENTS:**

- # RTV Silicone Putty – we have used Silpression
- # Master Model
- # Work surface protection

**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.

**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.**

- Keep products out of reach of young children.
- **THE WEARING OF RUBBER GLOVES AND PROTECTIVE CLOTHING IS RECOMMENDED**
- Always follow manufactures instructions when using product.



**PREPARE YOUR MASTER MODEL** –  
 Ensure your Master Model is clean and free of dust & grit. Seal your Master if required.



**MEASURE** the RTV Silicone Putty –  
 Take a quantity of Part A and roll into a ball. Take the same quantity of Part B and roll into a ball. If preferred, you can weigh the RTV Silicone for accuracy.



**MIX** the RTV Silicone – Combine the two parts of silicone putty by kneading thoroughly until an even colour is achieved. ie no streaking. Work quickly, keep in mind your worktime.



**PRESS** RTV Silicone – over your Master. Work the putty into all crevices pushing as you go to remove any trapped air. The putty should be approx 5mm -10mm thick.



**OR - IMPRESS** the Master – Roll or press out the RTV Silicone Putty to approx 5mm – 10mm thick. Gently press your Master into the putty. Ensure you allow enough thickness under the master for mould support

**CURE** RTV Silicone – Allow the RTV Silicone putty to cure. Generally this is only a short amount of time (15min – 20min)



**De-MOULD** - Check that your silicone has cured by doing the "cake test" - push the silicone gently with your finger. If the rubber is solid and bounces back the mould is ready for de-moulding.

The mould rubber should flex easily and your Master should "pop out" of the cured mould.

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