



## SOCK MOULD with RTV Silicone

**OVERVIEW** –A minimal thickness mould which allows the removal of a one piece casting with nominal undercuts, without seam lines.

This type of mould requires a liquid silicone with high elongation. A hard type support is also required

**BEFORE YOU START** – Although this technique is not difficult, it is advanced. Reading/practicing of basic mould making techniques is recommended before attempting this mould making technique

**REQUIREMENTS:**

- # RTV Silicone (we used Banana Skin)
- # Clay – Klean Clay or Pottery Clay
- # Plastic wrap
- # Vinyl Strip Spray (Silver Spray) - optional
- # Petroleum Jelly (Vaseline)
- # White Hydrocal

**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.



Secure Model and some registration blocks (wood or plastic) to base, approx 25mm outside of Model



Cover with plastic wrap



Roll out clay to approx 5mm –thickness. This will be the thickness of the finished mould. Cover the Model with this clay.



Add registration blocks to sides of clay. Use clay to make a pour hole for the silicone at top of clay



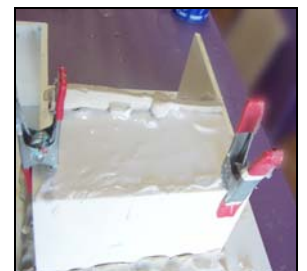
Spray with Vinyl Strip Spray or cover with plastic wrap. Ensure plastic wrap is smooth and registration blocks are well defined



Build separation wall of clay Add clay blocks for registration so that the jacket halves align.



Build your mould box around the side with the keys. Ensure all edges are sealed to prevent leakage



Measure, mix and pour the Hydrocal into the mould box and allow to set.



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Remove the mould box. Remove the clay from the Hydrocal block, being careful not to disturb the model.



Coat the Hydrocal block with Vaseline (petroleum jelly) to prevent the 2<sup>nd</sup> half of the support bonding.



Build your mould box around the other side. Seal edges. Measure, mix and pour the Hydrocal and allow to set.



Remove the mould box and use a flat tool (scraper etc) to pry the joint open. Do this slowly so as not to damage any areas.



Your support jacket is complete



Remove the clay from the Model and put aside, don't discard. Remove the plastic wrap.



Weigh the clay just taken from the Model. This weight will be approx the amount of silicone required.



Place the support mould together and hold securely with a strap or tape. Place in position on base board. Seal edges to prevent leakage.



Measure, mix and pour silicone into the jacket through the hole created with clay. Allow silicone to cure



Remove the support jacket, revealing the mould.



Carefully remove the mould from the Model.



Your "sock" mould is complete

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[www.armsmodelit.com.au](http://www.armsmodelit.com.au)  
Ph: (07) 3284 1111 Fax: (07) 3284 9976

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