



# ***Pollinator***<sup>TM</sup> Kit

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Casting the Pollinator Series

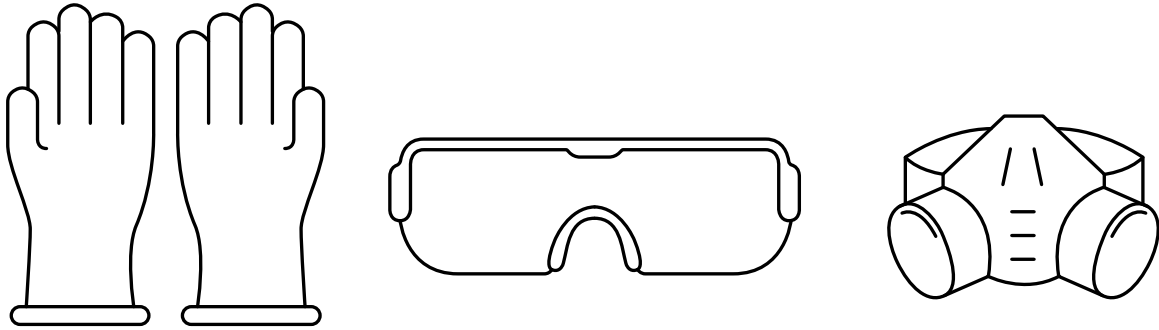
**WARNING! MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. MAY CAUSE AN ALLERGIC SKIN REACTION.**

Product only for use by or under the supervision of a technically qualified individual who is 18 years old or older. Persons with a history of respiratory or skin sensitization problems, asthma, allergies, or other chronic respiratory disease: Do not use this product. Avoid breathing dust/fume/gas/mist/ vapors/spray. Remove PPE immediately after handling the product. Avoid eating, drinking, and smoking where the product is handled. Wash hands after using the product, including before engaging in personal activities (e.g., eating, chewing gum, smoking, etc.). Wash contaminated clothing before reuse.

**FIRST AID: IF INHALED:** Remove to fresh air. If breathing is difficult, call a doctor. **IF ON SKIN:** Rinse with water. If skin irritation/rash occurs: Get medical advice/attention. **IF IN EYES:** Flush with water for several minutes. If eye irritation persists: Get medical advice/attention. **IF SWALLOWED:** Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur. Storage and disposal: Keep containers closed. Dispose of this material and its containers in a safe way in accordance with federal, state, and local regulations. **Not an art material. Not for use by children.**



## SAFETY FIRST!



We strongly recommend the use of protective gloves and that you wear a respirator rated for organic vapor (unless you are in a well-ventilated space or outdoors). Safety goggles are always a plus, and you may even want to use this instruction manual to protect your workspace.

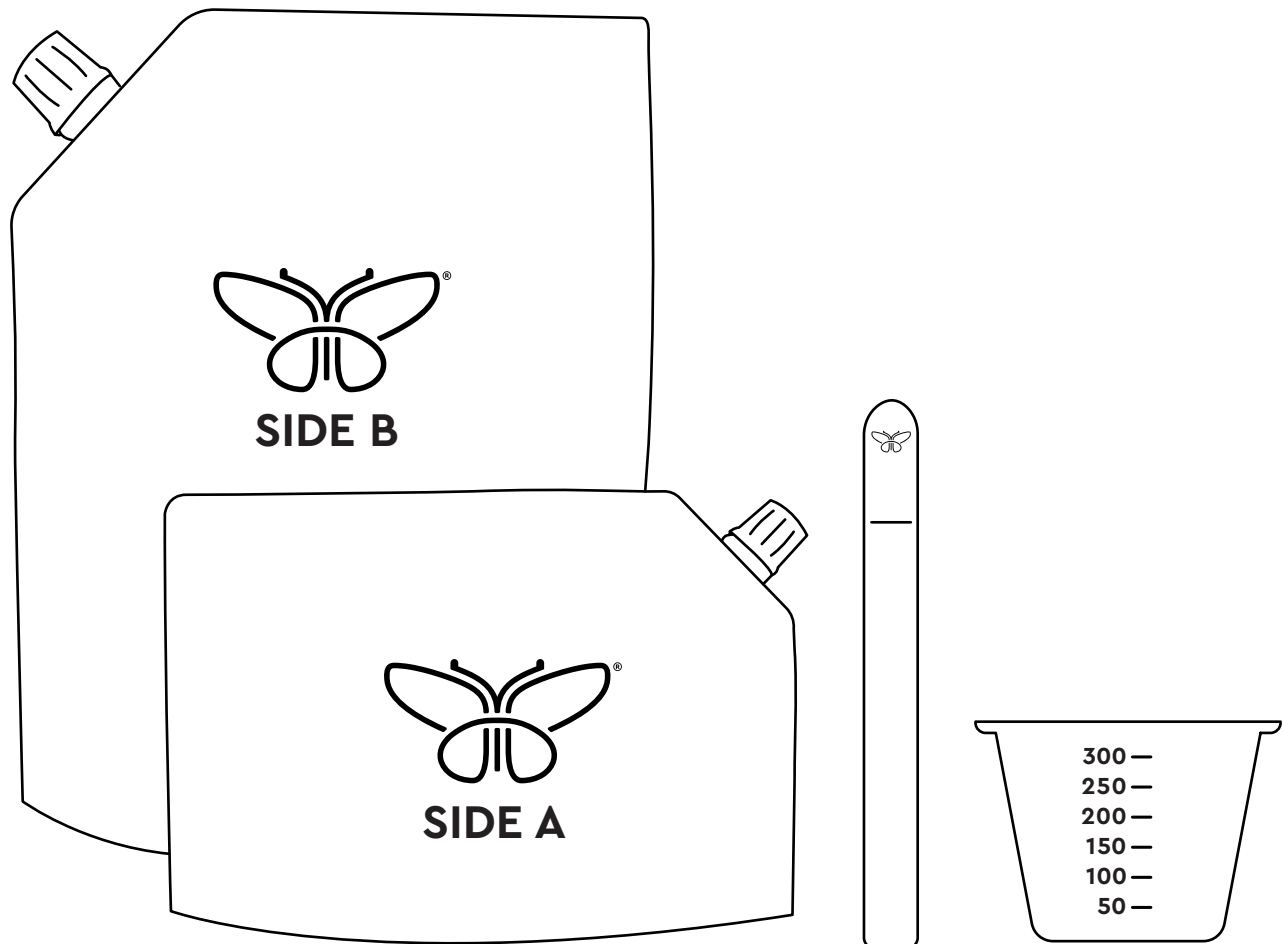
## WHAT (ELSE) YOU WILL NEED

To cast the mixed materials of this kit, you will need a mold with a surface that is compatible with uncured urethane. To mix by weight you will need a scale. We like silicone for mold making because it is the easiest from our experience. Also, when casting this material into silicone, you don't need a mold release agent. But you can use molds made from polypropylene, polyethylene, aluminum, or even wood. In those instances, make sure the mold surface is well-sealed and test a small sample first. You may also need a mold release agent. The internet is vast and useful. Please consult it for materials and how-to videos. We also have links to useful resources on our website.

**\*Pro Tip:** Keep moisture out! Clean and fully dry your mold surface before casting. In fact, make sure everything contacting the A and B sides and the casting mixture is dry. Moisture causes bubbles to form in urethane as it is hardening – that can happen with most types of urethanes, including ours.



# POLLINATOR™ KIT



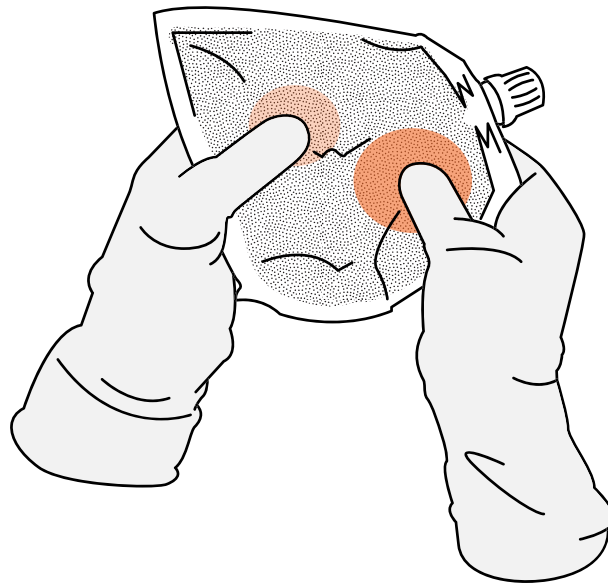
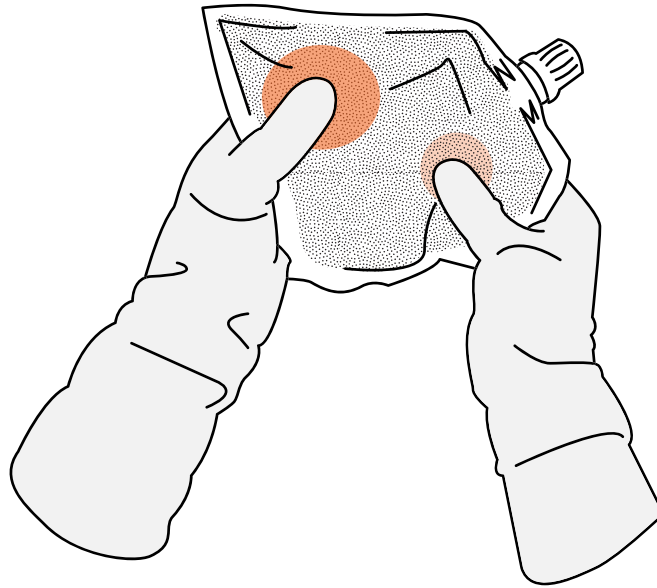
**Note:** The mixing stick is also a sample for our un-pigmented polyurethane material. You can reuse it after mixing by wiping it with a dry paper towel while the mixed polyurethane is still uncured.

**Any polyurethane cured on the stick will adhere because PU sticks to PU!**



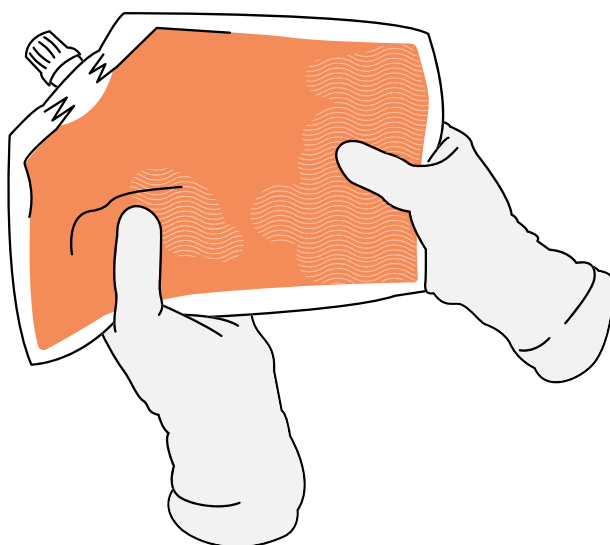
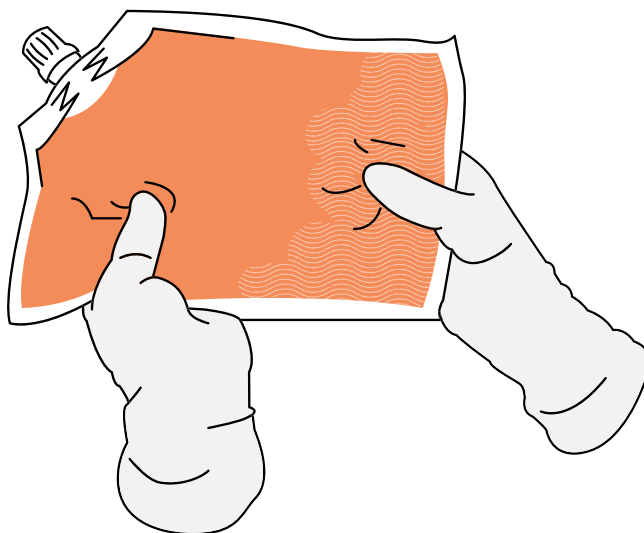
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## PREMIX RESIN (SIDE A)



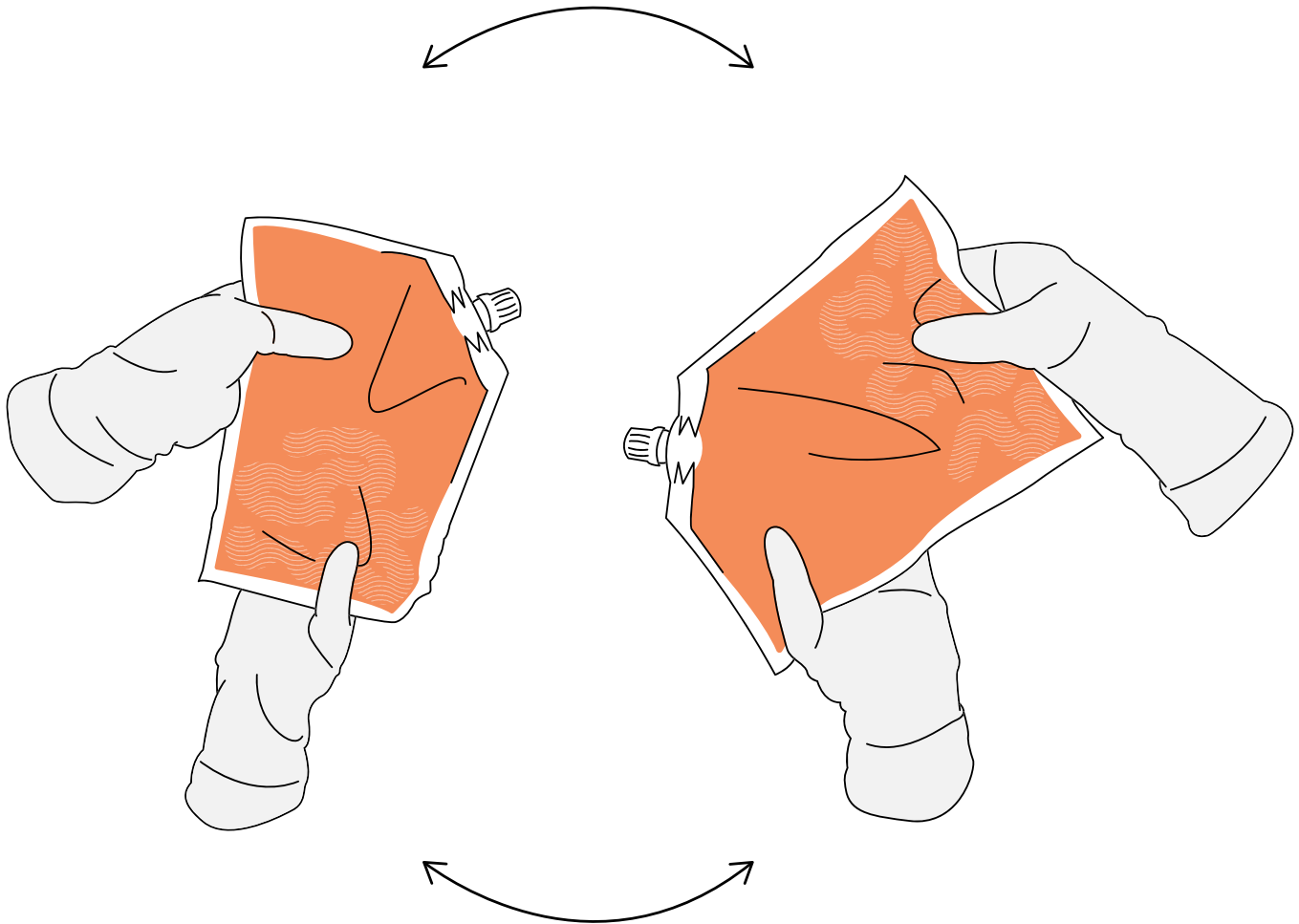
With the pouch still sealed, massage the **RESIN (SIDE A)** for about 45 seconds.



**2****PREMIX POLYOL BLEND (SIDE B)**

Massage the contents of the **POLYOL BLEND (SIDE B)** until the material is no longer separated and is uniform in color. This should take about two minutes. Maybe longer. That's ok.





\*Pro Tip: Slush material back and forth intermittently to help mix materials from side to side.

The **POLLINATOR KIT POLYOL BLEND** will be visibly separated, which is very normal. It will need to be massaged to re-homogenize. You may notice that as you massage the bag, the material will become more opaque as the contents mix. Keep mixing until there is no longer a visible difference among the components in the blend.

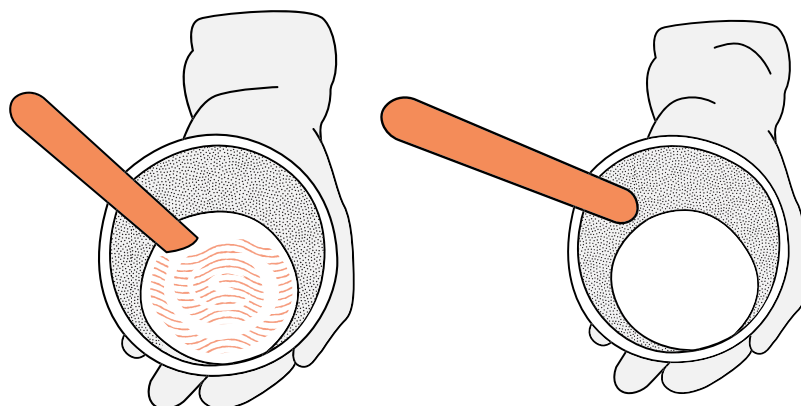


### 3 MEASURE MATERIAL



Measure out material into mixing cup **by VOLUME** 1A:2B, or **by WEIGHT** 64A:100B  
See the Quick Mix Guide for amounts.

### 4 ADD SIDE B TO SIDE A, THEN MIX WELL

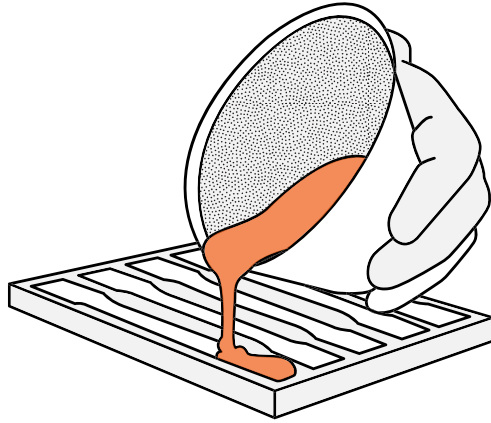


ADD **SIDE B** to **SIDE A**. Stir the combined sides vigorously for about 2 minutes until swirls and colors are fully homogenized. Using the stir stick, scrape the bottom and sides of the cup a few times to ensure all the material is well mixed.

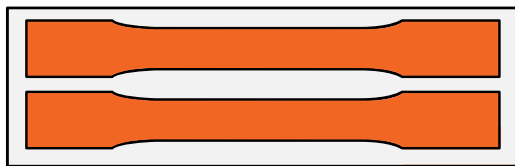




**5 POUR INTO MOLD**



**6 WALK AWAY FOR AT LEAST 18 HOURS BEFORE DEMOLDING**



**18 HRS**

