

Notes on Clear Anamatronic Silicone

For Industrial or Professional Use only. Don't use on human skin.

1-29-01

Skin silicone is specially formulated for flexibility and tear resistance. This proven formula has been used in amusement parks and on movie projects for many years. It is an excellent casting and mold-making material. Because it contains no color, make sure you mix it well.

This kit contains:

454 grams Base, The thick tranlucent stuff
46 grams Hi Pro Clear Catalyst, the thin watery stuff,
packaged in a can or glass bottle
(all a weighed to exact amounts by weight, not by volume)

Purchased separately:

20 grams Thixotropic: Heavy clear stuff

You Will Need:

Base Material
Catalyst
Thixotropic (optional)
Mixing Cups
Stirring Sticks
Gram Scale that measures in 1 gram increments or better.
Vacuum Jar (optional) to de-gas mixed silicone
Pigment

Mix the catalyst and base at a ratio of 10:1 by weight or 1 gram of catalyst for every 10 grams of base. A good batch is:

100 grams Base
10 grams Catalyst
110 grams TOTAL

This batch will be thin and easy to work. If you want to thicken the material you can mix in a small percentage of Thixotropic such as:

100 grams Base	100 grams Base
10 grams Catalyst	10 grams Catalyst
1 grams Thixotropic	2 grams Thixotropic

Notes:

Cured rubber won't stick to your finger when pressed. Cure time is about 12 hours, but this can vary depending on the mix and other factors. You have up to 72 hours to add new coats, but I usually wait only an hour or so between coatings. A release agent helps, but very few things stick to silicone. Fill cavities with clay as silicone has the tendency to migrate through the smallest of cracks and openings. Plaster bandages can be used as a mother mold on smaller items. Do not mix in waxed cups. Do not use on anything that contains sulfur such as Roma Plastina Clays.

To make flesh color I recommend using the Bob Kelly Cosmetic grade pigments which we sell. Mix into the base, before you add the catalyst. Use only a small amount of pigment to retain the translucent quality of skin. If you want to preserve the molted/inconsistant color of real skin don't over-stir you mix. If you want to make repairs later make sure you keep some pre-colored base material on hand.

Use spandex or tricott to reinforce wear areas.

Recommend Resource Information:

Silicone Mold Making video with Steve Biggs. Available through Special Effect Supply Co., Cat. No.: VIDEO32

Special Effect Supply Corp.

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