PROCESSING RECOMMENDATIONS

PREPARATION...

Preparation - Materials should be stored in and used at room temperature (73°F / 23°C). These products have a limited shelf life and should be used as soon as possible. Rubber may be inhibited by sulfur based clays resulting in tackiness at the surface interface or a total lack of cure throughout the mold.

If compatibility between the rubber and the surface is a concern, a small-scale test is recommended. Apply a small amount of rubber onto a non-critical area. Inhibition has occurred if the rubber is gummy or uncured after the recommended cure time has passed.

USING ECOFLEX™ GEL FOR MAKING SILICONE PROSTHETIC MAKEUP APPLIANCES...

Ecoflex™ GEL can be used as a gel filler for creating silicone prosthetic appliances. In most cases, Ecoflex™ GEL should be encapsulated. For example, Dragon Skin™ FX-Pro can be stippled onto a mold surface (e.g. Shell Shock™ released with Ease Release™ 200) to create a membrane. Ecoflex™ GEL can then be poured or injected into the mold to create a soft gel prosthetic encapsulated with strong, non-tacky Dragon Skin™ FX-Pro silicone.

Applying a Release Agent - Although not always necessary, a release agent will make demolding easier when casting into most surfaces. Ease Release™ 200 available from Smooth-On is a proven release agent for releasing silicone from silicone or other surfaces. Because no two applications are quite the same, a small test application to determine suitability for your project is recommended if performance of this material is in question.

MEASURING & MIXING

Before you begin, pre-mix Part B thoroughly. After dispensing required amounts of Parts A and B into mixing container (1A:1B by volume or weight), mix thoroughly making sure that you scrape the sides and bottom of the mixing container several times. For best results, ‘double mix’ the material by pouring the mixture into a new container, then continuing to mix until material is thoroughly blended. Mixing containers should have straight sides and a flat bottom. Mixing sticks should be flat and stiff with defined edges for scraping the sides and bottom of your mixing container.
POURING & CURING

Pouring - For best results, pour your mixture in a single spot at the lowest point of the containment field or mold. Let the rubber seek its own level. A uniform flow will help minimize entrapped air.

Curing - Allow rubber to cure for 2 hours at room temperature (73°F/23°C) before demolding. Time to demold can be reduced with mild heat or by adding an appropriate amount of Plat-Cat™ cure accelerator (See Plat-Cat™ technical bulletin available at www.smooth-on.com for details). The pot life and cure times can be extended using Slo-Jo™ cure retarder (see Slo-Jo™ technical bulletin available at www.smooth-on.com for details). Do not cure rubber where temperature is less than 65°F/18°C.

Safety First!
The Material Safety Data Sheet (MSDS) for this or any Smooth-On product should be read prior to use and is available upon request from Smooth-On. All Smooth-On products are safe to use if directions are read and followed carefully.

Keep Out of Reach of Children

BE CAREFUL - Avoid contact with eyes. Silicone polymers are generally non-irritating to the eyes however a slight transient irritation is possible. Flush eyes with water for 15 minutes and seek medical attention. Remove from skin with waterless hand cleaner followed by soap and water. Children should not use this product without adult supervision.

IMPORTANT - The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.

Call Us Anytime With Questions About Your Application.
Toll-free: (800) 381-1733 Fax: (610) 252-6200

The new www.smooth-on.com is loaded with information about mold making, casting and more.