



Slacker®

Silicone Tactile Mutator

PRODUCT OVERVIEW

Slacker® is one component translucent clear fluid that is added “by volume” to our translucent **platinum-cure** silicones such as Dragon Skin® and Ecoflex® products. Slacker® will change the “feel” of the silicone rubber to a softer and more “flesh-like” material. It also alters the rebound properties of the silicone, making it feel more like human tissue.

Slacker® allows the user to vary the degree of tackiness to the cured silicone, allowing for the creation of self-sticking silicone appliances. The amount of tackiness is in direct proportion to the amount of Slacker® added. Pieces created with Slacker® **will not exude silicone oil**, eliminating a common problem with other softening methods.

Slacker® can be added in larger proportions to Smooth-On’s super soft and stretchy platinum silicones (for example, Ecoflex® 00-30) to make silicone gel that can be used to create gel-filled silicone prosthetic appliances. Gel-filled appliances will flex, bend, and even wrinkle like human flesh. Silicone gels created with Slacker® can also be used to create **cushioning materials** for medical applications (anaplastology).

Use Skin Tite® adhesive to temporarily, but securely, adhere silicone appliances to the skin.

Preparation

Adding Color

Mixing

Applying

Temperature - Store and use all products at room temperature (72° F / 22°C). This product has a limited shelf life and should be used as soon as possible. Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk.

Measuring Is Done By Volume – Whether using an Ecoflex® product or a Dragon Skin® product, the proper mix ratio is 100 Parts A + 100 Part B + X Parts Slacker®. Everyone’s application and desired level of stickiness or “tack” will vary. The following chart should be used as a reference for you to achieve your own desired effect.

1 Part A + 1 Part B + 1 Part Slacker®
Results; “Tacky”

1 Part A + 1 Part B + 2 Parts Slacker®
Results; “Very Tacky”

1 Part A + 1 Part B + 3 Parts Slacker®
Results; “Extremely Tacky / Gel-like”

1 Part A + 1 Part B + 4 Parts Slacker®
Results; “Super Soft Tacky Silicone Gel”
(Should be encased)

If creating a wound or other skin appliance using Dragon Skin® or Ecoflex® Products . . .

Adding Color - Silc Pig® silicone pigments can be added and mixed thoroughly prior to adding Slacker® for matching a specific skin tone, etc.

Mixing – Ecoflex® or Dragon Skin® silicones plus Slacker® added can be hand mixed. Aggressively hand mix for 3 minutes, making sure that you scrape the sides and bottom of your mixing container several times.

Release Agent - When using a platinum silicone mold, Ease Release® 200 should be used. **If there is any question** about the effectiveness of a release agent combination, a small scale test should be made on an identical surface for trial.

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

Curing - The cure time of the silicone will be lengthened when Slacker® is added. As platinum-cure silicones are heat sensitive, curing can be accelerated by applying heat. Do not cure rubber where temperature is less than 65°F / 18°C.

Creating A Gel-Filled Appliance

Applying – When creating a gel-filled appliance, use a platinum silicone as your membrane for best results. Dragon Skin® works very well as a membrane for gel filled appliances. When using Slacker® to make self sticking appliances, any of the translucent platinum-cure silicones can be used.

Applying A Mold Release – Platinum silicone appliances made with Slacker® can be cast into platinum silicone molds or rigid gypsum molds (also known as stone molds). Apply a soap solution (1 part dish soap to 2 parts isopropyl alcohol works well) with a brush over the mold surface as a mold release and let dry at least 30 minutes.

Adhering Appliance To The Skin - After the casting is fully cured, the mold release should be washed off with warm water and allowed to dry. Smooth-On's Skin Tite® adhesive can be used to temporarily adhere the piece to the skin. Theatrical makeup can be used to further blend and color the piece. After use, remove the piece slowly. You can use baby oil, make-up remover or isopropyl alcohol to assist in removal.

We recommend that you do a small scale test on the back of your hand to ensure that you have no allergic reaction to silicone. If you notice any type of skin reaction, do not use product.

Cure Inhibition - Platinum-cure silicone rubber may be inhibited by certain contaminants in or on the pattern to be molded (such as sulfur based clays, polyesters, certain wood surfaces, epoxies, urethane rubber and tin-cured silicone rubber) resulting in tackiness at the mold interface or a total lack of cure throughout the piece.

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

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

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.

Be careful. Use only with adequate ventilation. Contact with eyes may cause irritation. Flush eyes with soap and water for 15 minutes and seek immediate medical attention. Remove from skin with isopropyl alcohol followed by soap and water.

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.

Smooth-On offers a complete line of Liquid Rubber, Liquid Plastic, Foams and Release Agent products for hundreds of industrial and art related applications. Chances are there is a distributor in your area to offer local support.

Toll-free: (800) 762-0744

Fax: (610) 252-6200

Website: www.smooth-on.com