

## PRODUCT OVERVIEW

**Slacker™** is a one component translucent clear fluid that is added 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, Dragon Skin™ FX-Pro™) 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™ or Dermatac™ to temporarily, but securely, adhere silicone appliances to the skin.**

## PROCESSING RECOMMENDATIONS

### PREPARATION...

**Temperature** - Store and use all products at room temperature (73°F / 23°C). This product has a limited shelf life and should be used as soon as possible. Wear safety glasses, long sleeves and vinyl gloves to minimize contamination risk.

### MEASURING & MIXING...

Whether using an Ecoflex™ or a Dragon Skin™ product, the proper mix ratio is 100 Parts A + 100 Part B + X Parts SLACKER™. Application and desired level of stickiness or “tack” will vary. The chart on the following page can be used as reference to achieve your own desired effect.

**Usage Example** - 50 grams Dragon Skin™ FX-Pro™ part A + 50 grams Dragon Skin™ FX-Pro™ part B + 50 grams Slacker™ (1 part) will give you a 000-35 silicone with some tackiness.

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

**Mixing** – Ecoflex™ or Dragon Skin™ silicones with 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.**

### SILICONE GEL FILLED MAKEUP APPLIANCES...

**Using An Encapsulator** – When creating a gel-filled appliance, use a platinum silicone as your membrane for best results. Dragon Skin™ FX-Pro™ works very well as a membrane for gel filled appliances.

**Applying A Mold Release** – Appliances made with Slacker™ can be cast into platinum silicone molds, urethane resin molds (Shell Shock™) or rigid gypsum molds. Ease Release™ 200 can be used as a mold release. Another release option is to apply a soap solution (1 part unscented dish soap to 2 parts 99% isopropyl alcohol works well) with a clean brush over all mold surfaces. Allow release to dry for at least 30 minutes.

### ADHERING APPLIANCE TO THE SKIN...

After the casting is fully cured, the mold release should be removed. Soap based release can be removed using warm water, Ease Release™ 200 can be removed using isopropyl alcohol. Use Smooth-On’s Skin Tite™ or Dermatac™ to adhere appliance to the skin per the Technical Bulletins for these products. Adhere the piece to the skin. Theatrical makeup can be used to further blend and color the piece. **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.

### CURING & PERFORMANCE...

**Curing** - The cure time of the silicone will be take longer 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.

**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.

## USING SLACKER™ WITH DRAGON SKIN™ OR ECOFLEX™ PRODUCTS...

Dragon Skin™ 10 & SLACKER™ - Add Up To 100%				
Mix Ratio by Weight	100A:100B:50S	100A:100B:100S	100A:100B:150S	100A:100B:200S
Shore Hardness	00-30	000-50	000-20	000-7
Tack	None	Slight	Slight to Very	Very

Dragon Skin™ 10NV & SLACKER™ - Add Up To 200%				
Mix Ratio by Weight	100A:100B:50S	100A:100B:100S	100A:100B:200S	100A:100B:400S
Shore Hardness	00-35	00-22	000-51	000-21
Tack	None	Slight	Slight to Very	Very

Dragon Skin™ FX PRO & SLACKER™ - Add Up To 100%				
Mix Ratio by Weight	100A:100B:50S	100A:100B:100S	100A:100B:150S	100A:100B:200S
Shore Hardness	00-20	000-35	000-17	000-3
Tack	Slight	Slight to Very	Very	Very

Ecoflex™ 00-50 & SLACKER™ - Add Up To 50%				
Mix Ratio by Weight	100A:100B:50S	100A:100B:100S	100A:100B:150S	100A:100B:200S
Shore Hardness	000-55	000-35	Not Recommended	Not Recommended
Tack	Slight	Slight to Very	Recommended	Recommended

Ecoflex™ 00-30 & SLACKER™ - Add Up To 50%				
Mix Ratio by Weight	100A:100B:50S	100A:100B:100S	100A:100B:150S	100A:100B:200S
Shore Hardness	000-40	000-20	Not Recommended	Not Recommended
Tack	Slight to Very	Very	Recommended	Recommended

Ecoflex™ 00-20 & SLACKER™ - Add Up To 50%				
Mix Ratio by Weight	100A:100B:50S	100A:100B:100S	100A:100B:150S	100A:100B:200S
Shore Hardness	000-47	000-32	Not Recommended	Not Recommended
Tack	Slight	Slight to Very	Recommended	Recommended

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 Safety Data Sheet (SDS) 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.

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The new [www.smooth-on.com](http://www.smooth-on.com) is loaded with information about moldmaking, casting and more.