



Skin Tite®



Platinum Silicone Bio-Adhesive & Appliance Builder

PRODUCT OVERVIEW

Skin Tite® is a versatile two-component silicone rubber product that can be used as;

1. A **Bio-Adhesive** to temporarily adhere platinum silicone appliances (such as wounds, scars, masks, prosthetic appliances and more) directly to human skin. **Appliances bend and flex and will stay put until you take them off!**
2. An “On Skin” **Sculpting Medium - Create Wounds, Scars, etc. Directly On The Skin!** Skin Tite® can be combined with Silc-Pig® silicone pigments and a small amount of Thi-Vex® thixotropic additive to create silicone appliances directly on the skin.
3. A **Casting Medium** for casting into molds to create molded, reusable appliances (wounds, scars, etc.).

Cured Skin Tite® is strong, stretchy and will move with the skin, even when affixed to hard to hold areas such as elbows, fingers and joints. It is ideal for repetitive motion applications. Skin Tite® requires no release agent, even when applying to hair-covered skin surfaces.

The tacky surface of the appliance can be eliminated with Talc or alcohol-activated theatrical makeup (available from any theatrical supply store / website).

Preparation

Mix Ratio

Adding Color

Mixing

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.

Mix Ratio – The proper mix ratio is 100 Parts A + 100 Part B by volume.

Adding Color - Silc Pig® silicone pigments can added and mixed thoroughly into Skin Tite® for matching a skin pigment, etc.

Mixing – Skin Tite® can be hand mixed. Aggressively hand mix for 30 seconds, making sure that you scrape the sides and bottom of your mixing container several times.

Pot Life/Working Time

Curing

Inhibition

Pot Life: 3 minutes

Cure Time/Demold: 5 minutes depending on body temperature

Important; Warmer temperatures will reduce pot life and accelerate the cure time of Skin Tite®.

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.

Skin Tite® is a platinum-cure silicone. Platinum-cure silicone rubber may be inhibited by certain contaminants such as latex, skin oils, aloe vera, sulfur based clays, 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 a surface is a concern, a small-scale test is recommended. Inhibition has occurred if the rubber remains 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.**

Three Ways To Use Skin Tite®

1. Using As A Bio-Adhesive . . . Skin Tite® can be used to temporarily adhere an already made platinum silicone to human skin.

Here's How To Do It . . . Clean the skin to remove any oils which may affect the curing of the Skin Tite® adhesive. Mix the Skin Tite® thoroughly (1A:1B). After mixing, brush a small amount of Skin Tite® onto the appliance. Hold the appliance to the skin until the Skin Tite® is cured. This should occur in approximately 5 minutes or less, dependant on body temperature. A higher temperature will cause the Skin Tite® to cure faster. Once the Skin Tite® is cured, it will remain tacky. Use a small amount of Skin Tite® to feather and blend the edges of the appliance. After Skin Tite® is fully cured, theatrical makeup can be used to further blend and color the piece. To remove the appliance from the skin, slowly peel the piece away from the skin. You can use baby oil, make-up remover or isopropyl alcohol to assist in removal.

2. Using To Make Appliances Directly On The Skin . . . Skin Tite® can be combined with Silc-Pig® silicone pigments and a small amount of Thi-Vex® thixotropic additive to create on skin silicone appliances.

Here's How To Do It . . . Mix the Skin Tite® 1A:1B by weight or volume as normal, add a small amount of pigment and mix again. After the desired color is achieved, add a small amount of Thi-vex® and continue mixing until the desired thickness is achieved. The Skin Tite® can now be applied directly to the skin to create scars, cuts, and other appliances. Use a small brush dipped in alcohol to feather the edges of the appliance. After the appliance is fully cured, theatrical makeup can be used to further blend and color the piece. To remove the appliance from the skin, slowly peel the piece away from the skin. You can use baby oil, make-up remover or isopropyl alcohol to assist in removal.

3. Using Skin Tite® To Cast Into A Mold To Make An Appliance . . . Skin Tite® can be combined with Silc-Pig® silicone pigments and poured into a mold which will create a re-useable silicone appliance.

Here's How To Do It . . . You can cast Skin Tite® into either a platinum silicone mold or a rigid plaster mold. Apply a soap solution (1 part dish soap to 2 parts isopropyl alcohol works well) as a mold release and let dry at least 30 minutes. Mix Skin Tite® 1A:1B by weight or volume and cast into the mold. After the casting is fully cured, the mold release should be washed off with warm water and allowed to dry. Skin Tite® 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.

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.
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