

Skin Tite®

Platinum Silicone Appliance Material



www.smooth-on.com

**Certified
Skin Safe!**

PRODUCT OVERVIEW

Skin Tite® is a skin safe silicone (ACMI Certified Safe) used to create fast wounds, scars and to adhere skin effect appliances directly to the skin. It can be sculpted “on the fly”, offers maximum control and stays precisely where you put it. Skin Tite® will adhere to the skin and perfectly conforms to all contours. Cured rubber is strong and will bend/flex with body movement. Wounds and appliances will not come off until you remove them. Cured material is skin safe and certified by an independent laboratory to ISO 10993-10, Biological evaluation of medical devices, Part 10: Tests for irritation and skin sensitization.

An infinite variety of color effects are achieved using Silc Pig® silicone pigments. Blended Silc Pig® color pigments added to Skin Tite® will create hyper-realistic cuts, scars, slash wounds, bruises, necrotic (dead skin) effects, bullet holes and more. **Thi-vex®** thickener will thicken Skin Tite® for even greater vertical hang control and is ideal for creating skin pockets, hanging skin, deep cuts & wounds, holes and more.

Bio-Adhesive: Skin Tite® can also be used to adhere skin effects silicone appliances or silicone masks to 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® will release from closely cropped hair-covered skin surfaces (short arm hair, beards, moustaches and eyebrows).**

TECHNICAL OVERVIEW

Mix Ratio: 1A : 1B weight or volume

Specific Gravity, g/cc: 1.07 (ASTM D-1475)

Pot Life: 3 minutes (73°F/23°C) (ASTM D-2471)

Cure Time: 5 minutes (Depending on body temperature)

Color: Translucent Clear

* All values measured after 7 days at 73°F/23°C

PROCESSING RECOMMENDATIONS

PREPARATION...

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.

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.

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

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.**

MEASURING & MIXING...

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

APPLYING & PERFORMANCE...

1. Using As A Bio-Adhesive - Skin Tite® can be used to temporarily adhere a previously made platinum silicone prosthetic appliance 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 or surface of the skin. 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 carefully blend the edges of the appliance if needed. 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. Using baby oil or make-up remover can 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.

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.

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. Using baby oil or make-up remover can assist in removal.

Hair Covered Skin Surfaces - Skin Tite® will release from closely cropped hair-covered skin surfaces (short arm hair, beards, moustaches and eyebrows). If hair is too long, it will become encapsulated in rubber and careful cutting of the hair may be necessary to remove.

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. Using baby oil or make-up remover can assist in removal.



Call Us Anytime With Questions About Your Application.

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