



Silicone Replicator

Renew Silicone Replicator is a long lasting silicone rubber that can be applied directly to the skin to make ultra-high resolution impressions (called Lifecasting) of the face, hands, feet or other body parts. The rubber cures quickly and will reproduce perfect detail from any original model – far better detail than any alginate! Renew Silicone Replicator is non-toxic and odorless. Unlike alginates, which are good for one only casting, Renew Silicone Replicator will last for many castings of almost any material including urethane and silicone rubber, plaster, wax, and resins. And the amount of Renew Silicone Replicator used per mold is less than most alginates, so the cost per mold is about the same.

Renew Silicone Replicator - for fast turn-around. Working time: 90 seconds / Demold time: 6 minutes (Depending on material temperature, ambient temperature and body temperature).

Safety: We recommend that you do a small scale test on the back of your hand to ensure that you have no allergic reaction to the release preparations or mold rubber. If you notice any type of skin reaction, do not use this product. **Renew Silicone Replicator** is safe for skin application only – it should not be ingested. Do not use to make impressions of the inside of the mouth.

NOTE: Lifecasting is best done with at least three people. You will be working with materials that set up quickly. One person is the designated model and the others will measure, mix and apply silicone rubber and support shell.

Temperature: Store and use **Renew Silicone Replicator** at room temperature (72°F / 23°C). Warmer ambient temperatures will drastically reduce working time and cure time. Storing material at warmer temperatures will also reduce the usable shelf life of unused material. 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.

Inhibition: Contaminants on the skin will cause inhibition. Prior to applying **Renew Silicone Replicator Release Cream**, skin should be clean and free of make-up, cosmetics, skin creams, oils perfumes, etc. Do not apply silicone rubber over skin coated with an aloe-based product, as this will cause cure inhibition. Apply with hands - **do not use latex gloves**. If using skull cap, plastic skull cap is required. Latex skull caps will inhibit the cure of **Renew Silicone Replicator**

Releasing **Renew Silicone Replicator:** **Renew Silicone Replicator** will not stick to skin, however it will “mechanically lock” onto skin hair including facial hair, eye brows, eye lashes etc. **Renew Silicone Replicator Release Cream** will minimize mechanical lock. Also, you can shave the intended molding area prior to applying **Silicone Replicator**. **Renew Silicone Replicator Release Cream** is a non-toxic skin conditioner that will aid in releasing **Renew Silicone Replicator** rubber from skin surfaces with or without hair. It washes off with soap and water. It is highly concentrated, so a little goes a long way. To use, wash intended body section with soap and water and dry thoroughly. Liberally apply **Renew Silicone Replicator Release Cream** to all skin surfaces (bare and hair covered) that will contact mold rubber. **Take Special Care** to aggressively massage and work the cream into and over body hair. Body hair not thoroughly coated with release cream will become encapsulated and stuck in rubber which can be difficult & painful to remove.

Dispensing: **Renew Silicone Replicator** is available only in Cartridges (400 ml). On cartridge tube set (A+B), you must remove clear cap from cartridge end and twist / break-off end-cap. Screw-on static mixing tube and place cartridge in dispensing gun. (Cartridge dispensing guns are available from **Renew Advanced Materials** distributors). Do not squeeze trigger until you are ready to apply rubber. After squeezing trigger, Parts A & B will quickly be mixed through the static mixing tube and dispensed through the tip in a uniform color.

Applying: Dispense directly onto skin and immediately spread mixture over all surfaces to be molded using a soft bristle brush.

NOTE: If you stop dispensing, product may cure in the static mixing tube. If this happens, replace static mixing tube. Storage Of Unused Material – Leave static mixing tube with cured material attached to cartridge. To use again, simply replace static mixing tube.

Add material as necessary: **Renew Silicone Replicator** will bond to itself, so adding more rubber is not a problem. Add new material as soon as possible. Be careful when adding new material to cured material - carefully “marry sections” to minimize seam lines. Final rubber thickness should be ¼” – ½” (1 cm). Let cure for 5 minutes before applying support shell.

Gypsum Plaster Bandages: Remain the industry standard for making a fast, strong support shell. After rubber has cured, brush a thin layer of petroleum jelly onto rubber mold surface to minimize chances of suction or mechanical locking of rigid support shell. Wet and apply bandages over rubber mold surface, following contours. Bandages dry in 15 minutes and can be removed from rubber surface.

Demold Rubber From Body: Slowly peel rubber away from skin surface.

Removing Replicator Release Cream: *Make-Up Remover* will work well. Apply to skin and then wash area with soap and water.

Seat rubber mold into support shell before casting. Store cured rubber mold in support shell for best results.

Technical Information

Mix Ratio:	1 A : 1 B by volume
Working Time:	90 Seconds
Cure Time:	6 Minutes
Shore Hardness:	25A
Color:	Aqua-Green

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

Keep out of reach of children. Use in a properly ventilated area ("room size" ventilation). Wear vinyl gloves only. Latex gloves will inhibit the cure of the rubber. If skin rash or redness occurs, discontinue use. If redness persists, consult physician. If eye contact occurs, flush eyes with water for 15 minutes and seek immediate medical attention.

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.

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