

PRODUCT OVERVIEW

Plat-Cat™ Platinum Silicone Cure Accelerator is an additive designed to accelerate the cure time of many Smooth-On platinum silicone rubber products without significantly affecting the ultimate physical properties. This allows for much faster removal (demold) of a part or rubber mold from the original model. The accelerator is added by weight to Part A and should be thoroughly mixed into Part A before adding Part B. Note: Adding the accelerator drastically reduces the pot life (time you have to mix and pour material) of the liquid rubber product.

PROCESSING RECOMMENDATIONS

PREPARATION...

Safety - Use in a properly ventilated area ("room size" ventilation). Wear safety glasses, long sleeves and rubber gloves to minimize contamination risk. **Store and use material at room temperature (73°F/23°C)**. This product has a limited shelf life and should be used as soon as possible.

| Platinum Silicone Rubber | % Cure Accelerator Added by Weight to Part 'A' | Approximate Pot Life | Approximate Demold Time |
|--------------------------|--|----------------------|-------------------------|
| Body Double™ Standard | 1 | 5 min. | 20 min. |
| | 2 | 3 min. | 18 min. |
| | 4 | 2 min. | 15 min. |
| Dragon Skin™ 20 | 1 | 20 min. | 3 hours |
| | 2 | 15 min. | 2.5 hours |
| | 4 | 8 min. | 2 hours |
| Dragon Skin™ 30 | .5 | 25 min. | 7 hours |
| | 1 | 15 min. | 5.5 hours |
| | 2 | 10 min. | 3 hours |
| Ecoflex™ 00-10 | 1 | 30 min. | 3.5 hours |
| | 2 | 20 min. | 2.5 hours |
| | 4 | 15 min. | 2 hours |
| Ecoflex™ 00-30 | 1 | 30 min. | 3 hours |
| | 2 | 15 min. | 1.5 hours |
| | 4 | 10 min. | 1 hours |
| Mold Star™ 15 | 1 | 40 min. | 3.5 hours |
| | 2 | 35 min. | 2.5 hours |
| | 4 | 30 min. | 2.0 hours |
| Mold Star™ 16 | 1 | 5 min. | 20 min. |
| | 2 | 4 min. | 15 min. |
| | 4 | 3 min. | 10 min. |
| Mold Star™ 30 | 1 | 35 min. | 5 hours |
| | 2 | 30 min. | 4 hours |
| | 4 | 15 min. | 3 hours |
| Rebound™ 25 | 1 | 20 min. | 4 hours |
| | 2 | 15 min. | 3 hours |
| | 4 | 10 min. | 2.5 hours |
| Smooth-Sil™ 940 | 1 | 20 min. | 3 hours |
| | 2 | 15 min. | 2.5 hours |
| | 4 | 10 min. | 2 hours |
| Smooth-Sil™ 950 | 1 | 25 min. | 12 hours |
| | 2 | 20 min. | 10 hours |
| | 4 | 15 min. | 8 hours |

Continued →

| Platinum Silicone Rubber | % Cure Accelerator Added by Weight to Part 'A' | Approximate Pot Life | Approximate Demold Time |
|-----------------------------|--|-------------------------|----------------------------|
| Sorta-Clear™ 18 | 1 | 50 min. | 4 hours |
| | 2 | 40 min. | 3 hours |
| | 4 | 30 min. | 2.5 hours |
| Sorta-Clear™ 37 | 1 | 15 min. | 3 hours |
| | 2 | 12 min. | 2.5 hours |
| | 4 | 8 min. | 2 hours |
| Sorta-Clear™ 40 | 2 | 15 min. | 5 hours |
| | 4 | 10 min. | 3.5 hours |
| | 8 | 8 min. | 2 hours |

Example - Ecoflex™ 00-30 (1:1 Mix Ratio): To reduce the demold time of Ecoflex™ 00-30 from 4 hours to 1 hour, add 40 grams of accelerator to 1000 grams of Ecoflex™ 00-30 Part A. Mix thoroughly for one minute, making sure that you scrape the sides and bottom of your container several times. Next, add 1000 grams of Part B and mix thoroughly for one minute, again making sure that you scrape the bottom and sides of your container several times. Do not delay between mixing and pouring, as your pot life is about 10 minutes. In about 1 hour, the rubber mold can be removed from the original model.

Example - Smooth-Sil™ 940 (10:1 Mix Ratio): To reduce the demold time of Smooth-Sil™ 940 from 16 hours to 2.5 hours, add 20 grams of accelerator to 1000 grams of Smooth-Sil™ 940 Part A. Mix thoroughly for one minute, making sure that you scrape the sides and bottom of your container several times. Next, add 100 grams of Part B and mix thoroughly for one minute, again making sure that you scrape the bottom and sides of your container several times. Do not delay between mixing and pouring, as your pot life is about 10 minutes. In about 3 hours, the rubber mold can be removed from the original model.

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

Use only with adequate ventilation. Contact with skin and eyes may cause irritation. Flush eyes with water for 15 minutes and seek immediate medical attention. Remove from skin with waterless hand cleaner 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.



Call Us Anytime With Questions About Your Application.

Toll-free: (800) 381-1733 Fax: (610) 252-6200

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

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