# SLO-JO®

## Platinum Silicone Cure Retarder

www.smooth-on.com

## PRODUCT OVERVIEW

**Slo-Jo®** Platinum Silicone Cure Retarder is an additive designed to extend the pot life (working time) of Smooth-On platinum silicone rubber products and Soama Foama® silicone foam without affecting the ultimate physical properties.

## 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.

## MEASURING & MIXING...

The retarder is added by weight to Part B and should be thoroughly mixed into Part B before adding Part A.

**Note:** Cure time of the platinum silicone rubber will be extended in proportion to the amount of Slo-Jo® added. Adding more than 4% Slo-Jo® of Part B may reduce the ultimate physical properties of the cured rubber.

### *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.

| Platinum Silicone Rubber | % Cure Retarder Added by Weight to Part 'B' | Approximate Pot Life in Minutes | Approximate Demold Time in Hours |
|---|---|---|---|
| Ecoflex® 00-10 | 1<br>2 | 90<br>120 | 6<br>7 |
| Ecoflex® 00-30 | 1<br>2 | 120<br>180 | 7<br>8 |
| Ecoflex® 00-50 | 1<br>2 | 60<br>90 | 4<br>5 |
| Dragon Skin® 10 Medium | 1<br>2 | 75<br>90 | 7<br>8 |
| Dragon Skin® 20 | 1<br>2 | 60<br>90 | 6<br>7 |
| Dragon Skin® 30 | 1<br>2 | 45<br>60 | 24<br>24 |
| Smooth-Sil® 935 | 1<br>2 | 45<br>60 | 24<br>24 |
| Smooth-Sil® 940 | 1<br>2 | 50<br>60 | 24<br>24 |
| Smooth-Sil® 950 | 1<br>2 | 60<br>90 | 24<br>24 |
| Sorta-Clear® 40 | 1<br>2 | 75<br>90 | 24<br>24 |
| Rebound® 25 | 1<br>2 | 45<br>90 | 7<br>7 |
| Body Double® Standard | 1<br>2 | 12<br>18 | 2<br>3 |
| Soma Foama® | 1<br>2 | 60 seconds<br>75 seconds | 1<br>1 |

***Example 1 – Smooth-Sil® 940 (10:1 Mix Ratio):*** To increase the pot life of Smooth-Sil® 940 from 30 minutes to 50 minutes, add 1 gram of retarder to 100 grams of Smooth-Sil® 930 Part B. 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 A and mix thoroughly for one minute, again making sure that you scrape the bottom and sides of your container several times. In about 24 hours, the rubber mold can be removed from the original model.

***Example 2 – Ecoflex® 00-30 (1:1 Mix Ratio):*** To increase the pot life of Ecoflex® 00-30 from 45 minutes to 2 hours, add 10 grams of retarder to 1000 grams of Ecoflex® 00-30 Part B. 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 A and mix thoroughly for one minute, again making sure that you scrape the bottom and sides of your container several times. In about 7 hours, the rubber mold can be removed from the original model.

***Call Us Anytime With Questions About Your Application.***

Toll-free: **(800) 762-0744** Fax: **(610) 252-6200**

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