



Plat-Cat™ Platinum Silicone Cure Accelerator

Plat-Cat™ Platinum Silicone Cure Accelerator is an additive designed to “accelerate” the cure time of 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.

Plat-Cat™ Platinum Silicone Rubber	% Cure Accelerator Added by Weight To Part ‘A’	Approximate Pot Life In Minutes	Approximate Demold Time In Hours
Smooth-Sil 910	1 %	30	4.5
	2	20	3.5
	4	10	2.5
Smooth-Sil 920	1 %	20	3
	2	15	2.5
	4	8	2
Smooth-Sil 930	.5 %	25	7
	1	15	5.5
	2	10	3
Smooth-Sil 940	1 %	20	3
	2	15	2.5
	4	10	2
Smooth-Sil 950	1 %	25	12
	2	20	10
	4	15	8
Dragon Skin	1 %	15	3.5
	2	12	2.5
	4	8	2
Sorta Clear 40	2 %	15	5
	4	10	3.5
	8	8	2
Rebound 25	1 %	20	4
	2	15	3
	4	10	2.5

Plat-Cat™ Platinum Silicone Accelerator Chart, Continued

Plat-Cat™ Platinum Silicone Rubber	Cure Accelerator Added by Weight To Part 'A'	Approximate Pot Life In Minutes	Approximate Demold Time In Hours
Ecoflex 00-30	1 %	30	3
	2	15	1.5
	4	10	1
Ecoflex 00-10	1 %	30	3.5
	2	20	2.5
	4	15	2
Body Double Standard Set	1 %	5	20 minutes
	2	3	18 minutes
	4	2	15 minutes

This product has a limited shelf life and should be used as soon as possible.

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.

Example 1 – Smooth Sil 930 (10:1 Mix Ratio):

To reduce the demold time of Smooth-Sil 930 from 16 hours to 3 hours, add 20 grams of accelerator to 1000 grams of Smooth-Sil 930 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.

Example 2 – 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.

**Smooth-On offers an extensive line of Liquid Rubber,
Liquid Plastic, Foam and Release Agent products for
Industrial & Art-related applications.**

**Chances are there is a distributor in your area
to offer local support.**