

PRODUCT OVERVIEW

Smooth-On Kick-iT!™ Cure Accelerator is an additive designed to “accelerate” the cure time of Smooth-On VytaFlex™, ReoFlex™ and PMC™ 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.

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 all products at room temperature. This product has a limited shelf life and should be used as soon as possible. Wear gloves and eye protection to minimize risk of contamination.

MEASURING & MIXING...

All components must be measured using an accurate gram scale.

Cure accelerator is added as a % by weight of Part B to Part B. It should be thoroughly mixed into Part B before adding Part A.

Smooth-On Urethane Rubber	Cure Accelerator Added by Weight To Part 'B'	Approximate Pot Life In Minutes	Approximate Demold Time In Hours
Vytaflex™ 10	1%	8	15
	2%	7	11
	3%	6	7
Vytaflex™ 20	1%	9	8
	2%	8	7
	3%	7	6
Vytaflex™ 30	1%	8	8
	2%	7	7
	3%	6	6
Vytaflex™ 40	1%	14	5
	2%	13	4
	3%	11	3
Vytaflex™ 50	1%	18	6
	2%	17	5
	3%	16	4
Vytaflex™ 60	1%	14	7
	2%	13	6
	3%	12	5
Reoflex™ 20	1%	10	9
	2%	9	7
	3%	8	6
Reoflex™ 30	1%	8	9
	2%	7	8
	3%	6	7

<i>Smooth-On Urethane Rubber</i>	<i>Cure Accelerator Added by Weight To Part 'B'</i>	<i>Approximate Pot Life In Minutes</i>	<i>Approximate Demold Time In Hours</i>
Reoflex™ 40	1%	8	6
	2%	7	5
	3%	6	4
Reoflex™ 50	1%	21	7
	2%	19	6
	3%	17	5
Reoflex™ 60	1%	17	8
	2%	15	7
	3%	14	6
PMC™-724	0.3%	10	3
	1.0%	5	2
PMC™-726	0.3%	10	3
	1.0%	5	2
PMC™-121/30	5%	15	4
	10%	10	3
PMC™-121/50	5%	12	3
	10%	8	2
PMC™-744	5%	15	3
	10%	10	2
PMC™-780	5%	20	5
	10%	15	4

Note - Adding the accelerator significantly reduces the pot life (time you have to mix and pour material) of the liquid rubber product. This product has a limited shelf life and should be used as soon as possible.

Note - No significant increase in demold time was noticed at percentages greater than 3% except with PMC™ urethane rubbers, which can be accelerated at greater speeds than ReoFlex™ or VytaFlex™. Demold time can generally reduced by one half by exposing the material to 150° F.

Example – VytaFlex™10 (1:1 Mix Ratio):

To reduce the demold time of VytaFlex™ 10 from 24 hours to 7 hours, add 30 grams of accelerator to 1000 grams of VytaFlex™ 10 Part B. Mix thoroughly for at least 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 at least one minute, again making sure that you scrape the bottom and sides of your container several times. Pour the contents into a clean separate container and mix thoroughly. This will help to ensure that unmixed material does not contaminate the mold. Do not delay between mixing and pouring, as your pot life is about 6 minutes.

In about 7 hours, the rubber mold can be removed from the original model. Demold time can generally be reduced by one half by exposing the material to 150° F

Safety First!

The material safety data sheet (MSDS) for this or any Smooth-On product should be read before using and is available on request. All Smooth-On products are safe to use if directions are read and followed carefully.

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 a copyright or patent. User shall determine suitability of the product for the intended application and assume all associated risks and liability.



Call Us Anytime With Questions About Your Application.

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