

PRODUCT CATALOG

What Are You Waiting For? Make It Now!

URETHANE RUBBERS & PLASTICS • SILICONE RUBBERS • EXPANDING FOAMS • RELEASE AGENTS CASTABLE & LAMINATING EPOXIES • ADHESIVES • MATRIX SYSTEMS • SPRAYABLE MATERIALS

www.smooth-on.com

About Us . . . Since 1895, Smooth-On has been helping people like you discover material possibility. Smooth-On rubbers, plastics, foams and other materials are used around the world to turn ideas into 3-dimensional reality.

This catalog offers a glimpse of what people have created with these materials and will hopefully inspire you to take the next step.

With hundreds of products to choose from and the best technical support available anywhere, we can help bring your creation to life or get your project up and running quickly.



The Smooth-On factory houses one of the largest silicone mixing vessels in North America (1,500 gallons / 5,678 liters) powered by 3 x 100 horse power motors and high-shear mixing blades.

You Are Never Alone . . . Our world famous technical help is available by e-mail or telephone. When you call you will talk to technicians that have experience using these materials and can guide you through your project.





Smooth-On's newly expanded 90,000 ft2 (8,361 m2) facility in Easton, PA makes hundreds of materials that ship around the world.

"A Digital Material Resource" . . . Thousands of people visit smooth-on.com everyday to view our videos and "how to" galleries. This step-by-step instruction helps you understand how these materials work.



Smooth-on offers two-day mold making and casting seminars that host people from all over the world. Our training methods combine slides, videos, hands-on demonstrations, and discussions. Students use materials to make their own molds and castings and gain an unparalleled learning experience.



1



2000 Saint John Street, Easton, PA 18042 USA / Tel: 610.252.5800 / Toll Free: 800.762.0744 www.smooth-on.com







Mold Max® 25 130 pli Purple Mold Max" 30 .002 23.5 125 pli Pink Mold Max® 40 120 pli Mint Green Mold Max^e 60 63 pli Red Mold Max® XLS® II 375% Blue 22.7 110 pli Mold Max® STROKE® 100A:10B pbw Brushable White 125 pli

Mold Max® 10T, 15T & 27T silicones are water white translucent tin-cure silicone rubber compounds that have exceptional tear strength, working properties and library life.

Mold Max* 'T' translucent rubbers are ideal for creating animatronic skins and special effects using Silc Pig® silicone pigments.

> Mold Max* 10T, 15 & 27 silicones can be thickened with THI-VEX® II additive for brush-on applications.

> > Mold Max® 27T silicone is used for an animatronic dinosaur skin in a themed restaurant in Florida.



OOMOO Silicones
... H doesn't get any easier!

Perfect for beginners, hobbyists and craft makers, OOMOO* silicones are easy to use and inexpensive. They don't require special equipment to process and are ideal for making one-piece or two-piece block molds.

OOMOO® molds are good for fast prototyping and model

making, creating resin ewelry and home hobby projects.





Learn more at: www.smooth-on.com

Custom kit car lenses cast from an OOMOO 30 two-piece mold.

OOMOO® 30 used to mold custom candles as seen on "The Martha Stewart Show."

Product Name	1 2 4	1 2 2	1 5	1 4 1	1 \$ 8	14 8	18 75	3/ 18 CE	/ 2º #	0
Mold Max® 10T	100A:10B pbw	14,000 cps	45 min.	24 hrs.	10A	.0025	25.4	87 pli	586%	Translucent
Mold Max* 15T	100A:108 pbw	20,000 cps	45 min.	24 hrs.	15A	.002	25.6	94 pli	600%	Translucent
Mold Max® 27T	100A:10B pbw	30,000 cps	45 min.	24 hrs.	27A	.002	25.0	110 pli	400%	Translucent
OOMOO* 25	1A:1B pbv	4,250 cps	15 min.	75 min.	25A	.0025	20.6	40 pli	250%	Light Blue
OOMOO* 30	1A:1B pbv	4,250 cps	30 min.	6 hrs.	30A	.0025	20.6	40 pli	250%	Lavender

Tin-Cure Silicone Rubber

Specialty Tin Silicones
Mold Putty, Special Effects, Encapsulation

Mold Making On The Fly ...

PoYo® Putty 40 mold making putty is mixed by hand and can be applied anywhere, anytime. Poyo® Putty can be pressed onto almost any surface and can be used to make fast molds for casting resin, wax, etc.



No Mess, No Waste.

Rubber Glass® is a solid water clear rubber that can be easily broken or "crumbled" into pieces that look exactly like broken glass, ice or diamonds. Vibrant colors are possible by adding Silc Pig* or Ignite* color pigments. Rubber Glass® is used to create a variety of special effects and model effects.

lee That Doesn't Melt!

For an 8 hour photo shoot to make magazine ads, a Rubber Glass® ice effect was used instead of realice to solve the problem of replacing melting ice during the shoot.



Encapso® K is the perfectly clear encapsulation rubber that looks just like water. Unlike chemically harsh resins normally used for encapsulation, Encapso® K is safe and non-toxic. Perfect for creating artificial floral displays, water pond effects, etc.

Left: Convincing drink display piece used to advertise at a tropical bar in Mexico - helps sell drinks and the prop lasts for years!



Product Name	1 2 2 2	A STORY	P. C. S.	No state of the st	The state of the s				er e gan	* S
Poyo® Putty 40	20A:18 pbv	Putty	5 min.	30 min.	40A	.003	21.25	85 pli	250%	Light Pink
Rubber Glass* II	3A:1B pbv	1,200 cps	120 min.	16 hrs.	20A	.005	28.6	N/A	N/A	Clear
Encapso® K	1A:18 pbv	500 cps	60 min.	24 hrs.	20A	.005	28.6	N/A	N/A	Water Clear

FOOD

Smooth-Sil® Series

Archival, Minimum Long-Term Shrinkage

Smooth-Sil® silicones are ideal for making production molds of any configuration, large or small. Urethane, urethane foams, epoxies, polyester resins, wax and low-melt metal alloys can be cast into Smooth-Sil® without application of release agent.

Smooth-Sil® 935 is the perfect choice for creating GFRC architectural elements. It is both chemically and abrasion resistant.

With virtually no shrinkage, Smooth-Sil* 935 molds produce identical castings time after time.



Smooth-Sil® 940 meets FDA compliance for food grade applications, making it suitable for baking molds and trays, ice trays, casting butter, candy or chocolate and other applications used to produce food.



Smooth-Sil® 945 offers the convenience of a 1A:1B by volume mix ratio and a fast 6 hour cure time.

Smooth-Sil® 950 is ideal for applications where precise dimensional reproduction is required. Firm yet flexible, Smooth-Sil® 950 also reflects fingerprint detail for the most accurate casting possible.



SORTA-Clear® Series

Translucent Silicone Rubber

SORTA-Clear® 18, 37 and 40 are premium water white translucent silicones that cure at room temperature. They feature exceptional tear and tensile strength. Rubber clarity is especially useful when extracting I models via cutting. SORTA-Clear rubber is ideal for making prototype, jewelry or other molds of any configuration where model visibility is important. SORTA-Clear® 18, 37 and 40 are also food safe* and used to make custom chocolates, candy, cakes and more.



Learn more at: www.smooth-on.com

* Refer to Technical Bulletin for more details

Mold Star® Series

1A:1B Mix By Volume, Low Viscosity Silicones

Mold Star® 15, 16 and 30 silicones are easy to use and feature relatively low viscosity meaning vacuum degassing is not required. Mold Star® cures to a strong, resin resistant rubber that has good tear resistance and exhibits very low long-term shrinkage. Molds made with Mold Star® silicones will

last a long time in your mold library and are good for casting wax, gypsum,



Mold Star® 16 FAST is also available in 400 ml cartridges. See dispensing guns on page 42.

Required

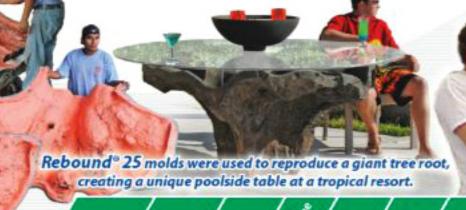
Platinum-Cure Silicone

Self Thickening Brush-On Silicone Rubber

Rebound® Series

Rebound® 25 and 40 are easy-to-use platinum-cure silicone rubbers that selfthicken for making brush-on molds of almost any model. Rebound® can be applied with a brush or spatula to vertical surfaces and cures with negligible shrinkage to

a soft, flexible rubber. Create strong, durable production molds for casting wax, gypsum, concrete or resins.



SOFT, HIGH TEAR STRENGTH

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Product Name	1 2 mg	A STORY	1 8	1	1 2 8	188	18 30	1 1 to the	1 2 4	/ 8
Mold Star® 15'SLOW	1A:1B pbv	12,500 cps	50 min.	4 hrs.	15A	< 0.001	23.5	88 pli	440%	Green
Mold Star* 16 FAST	1A:1B pbv	12,500 cps	6 min.	30 min.	16A	< 0.001	23.5	88 pli	440%	Blue-Green
Mold Star® 30°	1A:1B pbv	12,500 cps	45 min.	6 hrs.	30A	< 0.001	24.7	88 pli	339%	Blue
Rebound* 25'	1A:1B pbv	Brushable	20 min.	6 hrs.	25A	< 0.001	23.5	102 pli	690%	Orange
Rebound* 40°	1A:1B pbv	Brushable	20 min.	6 hrs.	40A	< 0.001	23.5	106 pli	324%	Green
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Learn more at: www.smooth-on.com

NOTE: Not compatible with sulfur surfa



maximum control and stays precisely where you put it. Skin Tite® can also be used to adhere skin effects, silicone appliances, or silicone masks to the skin even when affixed to hard-to-hold areas such as elbows, fingers, and joints.

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Product Name	4 to 10 to 1	1 2 2	1 4	18 %	1 8 8	18 8	1 2 2 V	1 2 2	13 4	90
Dragon Skin® 10 Slow	1A:1B pbv	23,000 cps	45 min.	7 hrs.	10A	< 0.001	25.8	102 pli	1,000%	Translucent
Dragon Skin* 10 Medium	1A:18 pbv	23,000 cps	20 min.	5 hrs.	10A	< 0.001	25.8	102 pli	1,000%	Translucent
Dragon Skin® 10 Fast	1A:18 pbv	23,000 cps	8 min.	75 min.	10A	< 0.001	25.8	102 pli	1,000%	Translucent
Dragon Skin* 10 Very Fast	1A:18 pbv	23,000 cps	4 min.	30 min.	10A	< 0.001	25.8	102 pli	1,000%	Translucent
Dragon Skin® 20	1A:18 pbv	20,000 cps	25 min.	4 hrs.	20A	< 0.001	25.6	120 pli	620%	Translucent
Dragon Skin* 30	1A:1B pbv	30,000 cps	45 min.	16 hrs.	30A	< 0.001	25.7	108 pli	364%	Translucent
Dragon Skin® FX-Pro	1A:1B pbv	18,000 cps	12 min.	40 min.	2A	< 0.001	25.0	61 pli	763%	Translucent

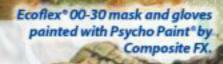
Ecoflex® Series
Soft, Softer, Softest...
Extreme Hexibility and Performance

Ecoflex® Supersoft rubbers are "sister" silicones to our Dragon Skin® series. Available in Shore hardnesses down to a 00-10, Ecoflex* silicones are extraordinarily soft, strong, durable and offer tremendous wear resistance.

Ecoflex* 00-50 is used to fabricate silicone

socket liners for prosthetic limbs.

Like Dragon Skin®, these rubbers are easy to use and can be vibrantly colored with Silc Pige or Psycho Painte. Ecoflexe Super-soft silicones are used for creating incredible skin effects, monster masks and special effects appliances. They are also used extensively for medical cushioning applications, including making orthotic and orthopedic appliances, and also for coating fabric.



Platinum-Cure Silicone

Heel pads made of Ecoflex® silicone provide excellent comfort and shock absorption.



Soma Foama® 15 and 25 are soft, flexible silicone foams that can be poured into a mold or over other surfaces when lighter weight castings are required. Soma Foama® is used for a variety of industrial and special effects applications including making foam filled appliances, padding/seat cushioning,

Soma Foama® produces lightweight, flexible castings.

padding/seat cushion and orthopedics.	1	Mines Miscos		Demote Time	/ June 2	(V) (V)	Total I	Signal Andrew	Elongario,	* / *
Product Name	A Sale	Wisco.	1 00	A STATE OF THE STA	Kandy Care	San	South of the second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 500 m	
Ecoflex® Gel	1A:18 pbv	9,300 cps	15 min.	2 hrs.	000-35	<0.001	28.0	N/A	1000%	Translucent
Ecoflex® 00-10	1A:18 pbv	14,000 cps	30 min.	4 hrs.	00-10	< 0.001	26.6	22 pli	800%	Translucent
Ecoflex® 00-20	1A:18 pbv	3,000 cps	30 min.	4 hrs.	00-20	< 0.001	26.0	30 pli	845%	Translucent
Ecoflex® 00-30	1A:18 pbv	3,000 cps	45 min.	4 hrs.	00-30	< 0.001	26.0	38 pli	900%	Translucent
Ecoflex® 00-50	1A:18 pbv	8,000 cps	18 min.	3 hrs.	00-50	<0.001	25.9	50 pli	980%	Translucent
Ecoflex® 5 (cartridges only)	1A:1B pbv	13,000 cps	1 min.	5 min.	5A	< 0.001	25.8	75 pli	1,000%	Translucent
Soma Foama® 15	2A:18 pbv	10,000 cps	30 sec.	1 hr.	N/A	N/A	115	N/A	N/A	Off-White
Soma Foama® 25	1A:18 pbv	25,000 cps	90 sec.	2 hr.	N/A	N/A	64	N/A	N/A	Off-White

Releases

rom

Specialty Platinum Silicones

EZ-Brush® Vac Bag Silicone

EZ-Brush® Vac Bag Silicone was developed especially for making high performance, reusable vacuum bags. Compared to vacuum bagging films, **EZ-Brush®** is much faster at delivering production-ready silicone bags, and offers tremendous time and labor savings.

Boat Production in Overdrive
Finished parts are delivered in a fraction of the time using Vac Bag Silicone vs. conventional bagging materials. To watch a video of the full process, scan the OR code.





EZ-Brush* Vac Bag can also be used for fast, large scale brush-on molds.

Equinox® Silicone Putty

Equinox® Silicone Putty products can be mixed and applied by hand to a variety of surfaces. Shrinkage is low and cured rubber is exceptionally strong (very high tensile strength). Applications include making fast mold impressions from almost any surface, equine hoof repair, jewelry making and more. Equinox® rubbers are also food safe® and used to make custom chocolates, candy, cakes and more.



Solaris® Clear Silicone Encapsulant

Solaris® is a low viscosity, clear silicone designed to protect electronic components and other assemblies against shock, vibration, moisture, ozone, dust, chemicals and other environmental hazards. The optical clarity of Solaris® makes it suitable for potting solar cells for maximum light transmission or electronic assemblies where component identification is necessary.

Learn more at: www.smooth-on.com

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Product Name	A Same	No. of the last of	1 8	1 4	1 4 8	1 5 1	12 2	A 28 8	1 E 60.	/ 3
EZ~Brush® Vac Bag Silicone	1A:1B pbv	Brushable	30 min.	3.5 hrs.	20A	< 0.001	25.7	120 pli	364%	Translucent Green
Equinox* 35 Fast	1A:1B pbv	Putty	1 min.	7 min.	35A	0.0003	21.3	140 pli	430%	Light Purple
Equinox® 38 Medium	1A:1B pbv	Putty	4 min.	10 min.	38A	0.0003	21.3	140 pli	430%	Light Purple
Equinox* 40 Slow	1A:1B pbv	Putty	30 min.	5 hrs.	40A	0.0003	21.3	140 pli	430%	Light Purple
Solaris* Clear Encapsulant	1A:1B pbv	1,200 cps	4 hrs.	24 hrs.	15A	< 0.001	28.1	NA	290%	Clear

Body Double® Silicone

Set have become Hollywood favorites for capturing and reproducing faces, hands, and other body parts.

New Body Double Silk® releases from hair covered body surfaces without a release agent. Skin Safe Silk® is compatible with original Standard and Fast Body Double® and captures perfect detail.

Unlike alginates, **Body Double*** molds will last for many castings of almost any material including plaster, Matrix* NEO*, wax, resins (Smooth-Cast* urethanes, polyester, etc.), low-temperature melt metal alloys, etc.

Body Double® silicone can capture details down to a fingerprint.

Alja-Safe®& Acrobat®

Powder Alginates

Crystalline-Silica Free

Alja-Safe* is easy to use, cures quickly,

and is much less expensive than silicone.

Acrobat' is a "non-sag" fiber reinforced

the face and torso. Both reproduce fine

mold. You can cast plaster, Forton' MG

Alja-Safe® is

used to create a prop

detail and make an excellent "single use"

Complete* (polymer modified

gypsum), platinum-cure

silicone, or Smooth-Cast®

mold to make a reproduction.

300Q urethane resin into the

5:1 pbv

alginate, perfect for making molds of



Body Double Silk® easily releases from beards

and other body hair.

Patent Pending

Alja-Safe® Breeze® Liquid Alginate

Crystalline-Silica Free

No powder - no dust! Alja-Safe*
Breeze is a new liquid alginate
which blends easily with water,
creating a unique, skin safe
moldmaking material. Alja-Safe*
Breeze is perfect for making singleuse pourable molds of hands, feet
and other body parts. It captures
excellent detail, giving you an
accurate reproduction of your original

Acrobat® is thicker and holds a vertical surface - and is virtually

Alja Safe' Liquid Breeze offers significantly less bubble

entrapment vs. powder alginates and is virtually bubble free.

N/A

arm that looks just like the real thing. Body Double* Fast Set Body Double® Standard 1A:18 pbv Brushable 25A < 0.001 23.7 100 pli 500% Purple Body Double® SILK < 0.001 30.4 1A:1B pbv Brushable 25A N/A Green 1:1 pbv waterpowde Alja-Safe® Alginate N/A 26 N/A Light Purple 1:1 pby Alja-Safe" Acrobat" N/A Off-White N/A

Learn more at: www.smooth-on.com

Alja-Safe® Breeze®

Silicone Accessories

FOR USE WITH TIN-CURE SILICONES ONLY

Fast Cat® 30 can accelerate
Mold Max® 30 so that it
will cure over frozen models!

FAST CAT® 30 - Used in place of (or in combination with) Mold Max® 30 regular Part B catalyst, Fast Cat® 30 will reduce the demold time from overnight to as little as 30 minutes.

ACCEL-T[®] is a one-component additive that will reduce the cure time of Smooth-On tin-cure silicone rubber compounds from overnight to a few hours in proportion to the amount added.

FOR USE WITH PLATINUM-CURE SILICONES ONLY

PSYCHO PAINT® is a translucent clear silicone paint base developed to help special effects and prosthetic artisans, doll makers, etc. easily create painted-on color effects for their silicone creations with Silc Pig® color pigments.

SLACKER® Tactile Mutator is a liquid additive used to 'deaden' the silicone, making it more flesh-like.



SLIDE® Liquid Surface Tension Diffusor greatly reduces surface tension when added to platinum cure silicone.



SKIN TITE® is a skin safe silicone (ACMI Certified Safe) used to create fast wounds, scars and skin effects appliances directly on the skin. It can also be used to adhere silicone appliances or silicone masks to the skin.

PLAT-CAT® Cure Accelerator reduces the cure time of Smooth-On platinum silicones without significantly affecting the ultimate physical properties.

SLO-JO® Cure Retarder extends the pot life (working time) of Smooth-On platinum silicones and Soma Foama® silicone foam without affecting the ultimate physical properties.

FOR USE WITH ALL SILICONES



Blood MS 7421C Flesh MS 488C Brown MS 4625C Black

White PMS WHITE

Silc Pig® pigments are used for coloring all Smooth-On silicones. Create mind blowing skin effects when used with Psycho Paint® or Skin Tite®. Silc Pig® pigments are concentrated, offer excellent dispersion and consistent color.



ALSO AVAILABLE: Ignite® Fluorescent Pigments and Cryptolyte® UV Glow Additive See pg. 32 for details! THI-VEX® II Silicone Thickener is a liquid additive that thickens all Smooth-On mold making silicones, making it easier to fill in undercuts or apply to vertical and inverted surfaces. Different viscosities can be attained by varying the amount of THI-VEX® II added.

SILICONE THINNER® is a non-reactive silicone fluid that will lower the mixed viscosity of Smooth-On silicones.

NOVOCS™ Gloss & Matte Silicone Solvents are low viscosity solvents that evaporate quickly. They will lower viscosity of Smooth-On silicone rubbers and contain no VOC's. They are particularly useful in thinning down Psycho Paint® silicone paint base to apply via brush or airbrush to cured platinum silicone rubber props and prosthetics.

SIL-POXY® Silicone Adhesive is a one component adhesive made specifically for bonding RTV silicone rubber to silicone rubber and other substrates including some plastics (urethane), plasters/ceramics, fabrics, etc. Sil-Poxy® can also be used for repairing torn silicone rubber molds.

Mold Making & Casting Starter Kits

Starter Kits are a great way to introduce anyone to the world of mold making and casting!

Print and video instructions take you step-by-step through the process. Great for inventors, artists, candle makers, students, arts & crafts enthusiasts and more!

LIFECASTING KIT:

Skin-safe molding gel lets you make a perfect copy of your hand, etc.

Includes A Lifecasting DVD!

- Alja-Safe® Molding Gel
- Casting Plaster
- · Quick Start Guide



BRUSH-ON STARTER KIT:

Make Exact Copies
Of 3-Dimensional Models.

Includes A HOW-TO BOOKLET & DVD!

- Rebound® 25 Molding Rubber
- · Smooth-Cast® 300 Casting Resin
- Plasti-Paste* II Support Shell Plastic
- 1 oz. Sonite[®] Wax
- Thi-Vex* II Silicone Thickener
- Quick Start Guide

POURABLE STARTER KIT:

Make Exact Copies Of 2-Dimensional Models.

Includes A HOW-TO BOOKLET & DVD!

- OOMOO* 30 Molding Rubber
- Smooth-Cast® 300 Casting Resin
- 2 oz. SuperSeal® Sealing Agent
 Ease Release® 205 Release Agent
- · Quick Start Guide



ULTIMATE WOUND KIT™: `

Make Your Own
On-Skin Wounds In Minutes.
Includes A HOW-TO BOOKLET & DVD!

- Start to Finish How-To DVD
- · Step-By-Step How-To Guide
- · Thi-Vex® Thickening Agent
- Skin Tite* Silicone
- Silc Pig® Pigment
- Rubber Glass®
 Cured Discs
- Mixing Sticks & Cups



ULTIMATE ZOMBIE KIT™:

Make Your Own

On-Skin Wounds In Minutes.

Includes A HOW-TO BOOKLET & DVD!

Start to Finish How-To DVD

- Start to Finish How-To DVD
 Step-By-Step How-To Guide
- · Thi-Vex* Thickening Agent
- · Skin Tite® Silicone
- · Silc Pig® Pigment
- · Makeup
- Rubber Glass^o
 Cured Discs
- · Zombie Teeth
- Mixing Sticks & Cups



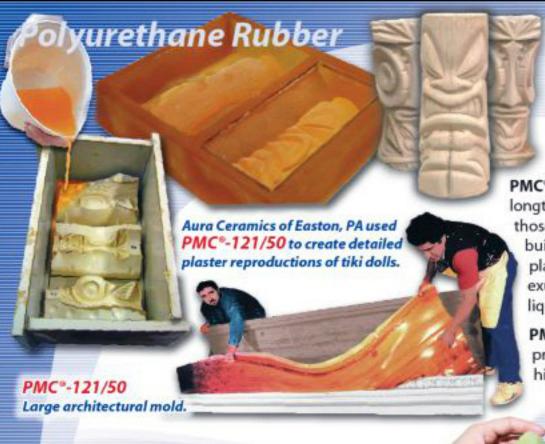
Hands-On Seminars

Smooth-On's Mold Making & Casting Seminars continue to be extremely popular and sell out months in advance. The two-day sessions at our facility in Easton, PA attract a wide variety of attendees from many fields of art and industry. This is interactive learning at its best! Questions about your specific projects are welcome. For details, visit www.smooth-on.com or scan the QR code below.









PMC[®] Series

PMC®-121/30 (Wet or Dry) & PMC®-121/50

PMC®-121/30 Dry and PMC*-121/30 Wet are longtime favorites of artists, candlemakers and those casting plasters. The wet version contains a built-in release agent to aid in demolding hard plasters and concrete. The dry version does not exude an oil and can be used for casting waxes, liquid plastics, gypsum plasters, etc.

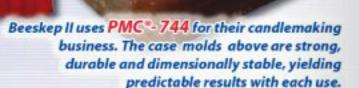
PMC°-121/50 is a "wet-only" version with similar properties to PMC°-121/30 but has a slightly higher Shore Hardness (50A durometer).

PMC®-744

PMC*-744 has been used for years by mold making professionals to cast wax, plaster, concrete, resins, etc. It is excellent for making molds that are strong, durable and dimensionally stable.

PMC*-744 ceramic bunny case mold.





PMC®-746

PMC®-746 was developed to make molds for casting gypsum plasters. Because of its durability and moisture resistant properties it is also used by zoos and museums for a variety of mold making, display and exhibit applications. Other applications include making plaster block molds, reproducing ornamental plaster (architectural restoration), and resin casting.

PMC°-746 molds are used for casting heavily filled polyester furniture elements at Union City Mirror in New Jersey.

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Product Name	/ * *	/		/ ~ ~ /	/ ` `	/ " "	/	/ ~ ~	/ * *	/ -
PMC*-121/30 Dry	1A:1B pbv	1,800 cps	30 min.	16 hrs.	30A	<0.001	26.7	75 pli	1,000%	Clear Amber
PMC®-121/30 Wet	1A:1B pbv	1,800 cps	30 min.	16 hrs.	30A	< 0.001	26.7	75 pli	1,000%	Clear Amber
PMC*-121/50 Wet	1A:18 pbv	1,400 cps	30 min.	16 hrs.	50A	< 0.001	26.7	85 pli	500%	Clear Amber
PMC*-744	2A:1B pbv	3,400 cps	15 min.	16 hrs.	44A	< 0.001	27.5	90 pli	400%	Beige
PMC*-746	2A:1B pbv	1,200 cps	15 min.	16 hrs.	60A	< 0.001	26.9	100 pli	650%	Clear Amber

PMC° Series

PMC®-770, 780 & 790

Industrial Rubbers

concrete and making ball mill liners.

rubber mechanical gear.

PMC°-770

The PMC* line of hard urethane rubbers is used for an endless variety of industrial

PMC°-780 is

used to create

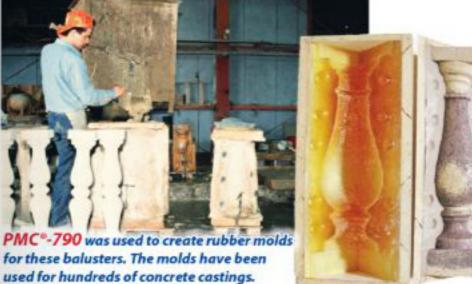
wear resistant bushings.

are dimensionally stable and feature exceptional physical properties, including high impact resistance and tensile strength. These rubbers are mixed 2A:1B by volume and offer extra long working times for pouring large or complicated forms. Superior abrasion resistance makes these urethanes the perfect choice for making molds for casting

They are also used to make industrial rollers and belts, rubber mechanical parts (such as gaskets, wheels, and pullies) and vibration/ shock pads. They are also used as powerful flexible adhesives for

casting applications. Available in Shore 70A, 80A and 90A durometers, they

industrial bonding applications.





Concrete balusters made from production

Polyurethan 💦 ubber

quality PMC*-790 urethane rubber molds.

for this tough and abrasion resistant stamping pad that makes beautiful european fan designs in concrete.

is a lower cost 80A rubber compared to our popular PMC°-780. It is mixed 1A:1B by volume, has a relatively low viscosity, no odor and cures quickly. It does have lower physical properties compared to PMC°-780 but is suitable for many industrial applications including making highly impact resistant prototype parts, fast concrete stamping pads and fast pour-in-place gaskets for equipment and concrete burial vaults.

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Product Name	1 4 4	1 2 2	/ "	100	120	198	122	2 4 4	1 4	7/ 0
PMC*-770	2A:1B pbv	3,000 cps	30 min.	16 hrs.	70A	< 0.001	26.5	200 pli	750%	Light Amber
PMC*-780 Dry	2A:1B pbv	2,000 cps	25 min.	48 hrs.	80A	< 0.001	27.2	200 pli	700%	Light Amber
PMC*-790	2A:1B pbv	3,000 cps	20 min.	48 hrs.	90A	<0.001	25.9	300 pli	550%	Clear Amber
Econ® 80	1A:1B pbv	1,200 cps	13 min.	6 hrs.	80A	0.0014	26.16	77 pli	127%	Translucent

Brush-On® Series

Ideal for Vertical or Inverted Surfaces

Smooth-On's Brush-On* urethane mold rubbers are known for having high tear strength and exceptional abrasion resistance, making them a favorite of concrete casters around the world.

Available in 35A, 40A, 50A or 60A durometer, these are "paste-liquid" systems that are easy to use and hold vertical or inverted surfaces without sagging. Rubber cures with minimal shrinkage and molds last a long time for production casting of concrete, gypsum, wax and other

MJM Studios applied Brush-On 40 on-site to create the architectural mold used to restore the arch atop New York City's landmark Bellevue Hospital.

19

Versatile - DID YOU KNOW?

Brush-On® rubbers are also used for a variety of industrial applications including making wear and water resistant coatings for fabric and other surfaces, and as flexible adhesives for bonding like and unlike surfaces.

> Brush-On[®] 50 was center stage during Chicago's **Garfield Park Field House** restoration. 17' x 11' GFRC dome panels were ast from the molds below.

Adding SO-Strong colorant to every other layer aids in differentiating between coats so you are sure to achieve an even coverage.



was used to create the highly detailed mold for this boy scout statuette from Maslyn Studios.

EZ-Mix* 40 is a very easy to mix "liquid-liquid" urethane rubber that is great for beginners. EZ-Mix® rubber is a favorite with sculptors and is good for casting wax or gypsum.

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Product Name	7 44	1 5 2	1 8	100	1 2 3	158	1226	1 2 3	1 2 4	/ 0
Brush-On® 35	1A:1B pbv	Brushable	20 min.	16 hrs.	35A	< 0.001	21.5	57 pli	1,000%	Grey-Green
Brush-On® 40	1A:1B pbv	Brushable	20 min.	16 hrs.	40A	< 0.001	23.7	60 pli	1,000%	Off-White
Brush-On* 50	1A:18 pbv	Brushable	20 min.	16 hrs.	50A	< 0.001	23.7	80 pli	400%	Off-White
Brush-On* 60	1A:1B pbv	Brushable	20 min.	16 hrs.	60A	< 0.001	23.7	80 pli	400%	Off-White
EZ-Mix® 40	1A:1B pbv	Brushable	18 min.	16 hrs.	40A	< 0.001	27.0	67 pli	577%	Grey

Clear Flex® Series

Optically Clear, Flexible and UV Resistant

Clear Flex® are tough rubbers that are optically clear and used for applications including encapsulation, making prototype parts, props and special effects. Choose between a flexible 30A and 50A, or a semi-rigid 95A.



encapsulated inside this elevator

250 cps

hand railing bumper.

Clear Flex® 50

is used to encapsulate reflective materials in a free-spinning head on TopGun fishing lures. Fish cannot resist!

175%

Polyurethane Rubber

Clear Flex 30

product that is

not contain

mercury or phthalates.

Clear

is a newly formulated

flexible, and does

Product Name Clear Flex® 30 1A:1B pbv Clear Flex® 50 250 cps

50A

95A

.0015

.0028

27.7

27.2

25 pli

200 pli

24 hrs.

25 min.

25 min. 24 hrs.

FMC® Polysulfide

Clear Flex® 95

Time Tested FMC Polysulfide

1A:2B pbw

1A:1.5B pbw

Used by artists and industry for over 60 years, FMC® Polysulfide rubbers are soft and very strong...perfect for making molds of originals with deep undercuts. They can be applied to wet models or sulfur based clays without inhibition. Molds last for years in your mold library.

From polysulfide molds, gypsum segments are assembled to make steel molds used to make production tires.





Product Name	7 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 00	A DE LE	1 4 5	18	1 2 2 3	To the	\ 200 a a a a	1 3
FMC* 200	100A:12B pbw	6,000 cps	50 min.	16 hrs.	20A	<.0001	20.5	31 pli	700%	Black
FMC* 201	100A:12B pbw	6,000 cps	50 min.	16 hrs.	15A	<.0001	20.5	30 pli	700%	Black
FMC* 205	100A:12B pbw	6,000 cps	90 min.	16 hrs.	12A	<.0001	20.1	27 pli	550%	Black



Smooth-Cast® 300 Series - Bright White

Smooth Cast® 300 Series liquid plastics are ultra-low viscosity casting resins that yield castings that are bright white and virtually bubble free. Vacuum degassing is not necessary. They offer the convenience of a one to one mix ratio (one part A to one part B by volume). Fully cured castings are tough, durable, machinable and paintable. They resist moisture and mild solvents. Applications for Smooth-Cast® 300 Series plastics include reproducing small to medium size sculptures, making prototype models, and

special effects props.



Durable, and Perfectly Detailed

Smooth-Cast® 320 Series - Off-White

The Smooth-Cast* 320 Series liquid plastics are "sister" products to our popular Smooth-Cast* 300 Series but cure off-white.

They are easier to color using SO-Strong® or Ignite® color tints. Smooth-

Cast® 320 Series resins also readily accept fillers (such as URE-FIL® 3, 5 and 7). Fully cured castings are tough, durable, machinable and paintable. They resist moisture and mild solvents. Applications for Smooth-Cast® 320 Series resins include reproducing small to medium size

sculptures, making prototype models, special effects props, decorative jewelry and taxidermy (bones, antlers, teeth etc.).



Learn more at: www.smooth-on.com

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Product Name	Assembly Ass	No. of the last of	1 20	Timoto de	Transfer of the second	Shring.	1 3 3		1000	
Smooth-Cast* 300Q	1:1 pbv	80 cps	30 sec.	4-5 min.	70D	0.01	26.4	3,000 psi	5%	White
Smooth-Cast® 300	1:1 pbv	80 cps	3 min.	10 min.	70D	0.01	26.4	3,000 psi	5%	White
Smooth-Cast® 305	1:1 pbv	80 cps	7 min.	30 min.	70D	0.0065	26.4	3,000 psi	7.5%	White
Smooth-Cast* 310	1:1 pbv	80 cps	15-20 min.	3-4 hrs.	70D	0.0065	26.4	3,000 psi	7.5%	White
Smooth-Cast® 320	1:1 pbv	80 cps	3 min.	10 min.	70D	0.01	26.4	3,000 psi	10%	Off-White
Smooth-Cast* 321	1:1 pbv	80 cps	7-9 min.	30 min.	70D	0.007	26.4	3,000 psi	8%	Off-White
Smooth-Cast* 322	1:1 pbv	80 cps	10-20 min.	2-4 hrs.	70D	0.007	26.4	3,000 psi	8%	Off-White

Smooth-Cast Series

General Purpose Casting Resins

Smooth-Cast® 325 ColorMatch Series

Smooth-Cast® ColorMatch® plastics are fast-cast resins that were developed specifically for adding color pigments and fillers to achieve a true color representation or filler effect. The ColorMatch® Series is formulated "color neutral." Small amounts of SO-Strong* color tint will yield accurate, vivid colors from cured castings. Because of its neutral color, the ColorMatch® Series is ideal for creating marble and woodgrain casting effects, or duplicating the look of real metal by adding bronze, brass or other metal powder.





Smooth-Cast® ONYX® - Deep Black

Smooth-Cast ONYX® is a mercury-free urethane resin that cures quickly at room temperature to a deep black, solid plastic. ONYX® has an ultimate shore hardness of 80D and offers higher physical properties and higher heat resistance vs. other general purpose resins. Applications include reproducing sculpture, making prototypes and potting/encapsulation. Because ONYX® is

Deep

Black

Color

a fast curing resin and becomes hard quickly, it is also great for doing fast cold cast bronze, brass, copper, nickel/ silver and other metals.



Smooth-Cast® ONYX® is combined with different metal powders to achieve a realistic metal finish.

Product Name	1 2 2	1 1 3	1 8	18 1	120	E 4 8	18 30		10 4	/ 8
Smooth-Cast® 325	1:1 pbv	100 cps	2.5 min.	10 min.	72D	0.01	25.9	3,170 psi	10%	Clear Amber
Smooth-Cast* 326	1:1 pbv	100 cps	7-9 min.	60 min.	72D	0.0075	25.9	3,170 psi	10%	Clear Amber
Smooth-Cast® 327	1:1 pbv	100 cps	10-20 min.	2-4 hrs.	72D	0.0075	25.9	3,170 psi	10%	Clear Amber
Smooth-Cast® ONYX® FAST	1:1 pbv	100 cps	2.5 min.	10-15 min.	80D	0.01	27.7	5,840 psi	496	Black
Smooth-Cast® ONYX® SLOW	1:1 pbv	100 cps	5 min.	90 min.	80D	0.012	27.7	7,660 psi	3%	Black
Smooth-Cast® ONYX® SLOW	1:1 pbv	100 cps	5 min.	90 min.	80D	0.012	27.7	7,660 psi	3%	В

Learn more at: www.smoothon.com/urethaneplastic

Fast Cure

Easy to

Paint &

Finish

Smooth-Cast®

semi-rigid resins are available

in different

hardnesses.

65D boulders

weigh less than

8 lbs / 3.6 kg!

23

General Purpose Casting Resins

Smooth-Cast Semi-Rigid Resins

Smooth-Cast® 45D, 60D, 61D, 65D and 66D

are low-cost urethane casting
resins that cure quickly
to semi-rigid plastics that
offer excellent impact
resistance. These plastics
are easy to use (mix ratio is
1A:1B by volume) and have low
viscosities for minimal bubble
entrapment. Vibrant colors are

possible by adding SO-Strong® color tints or Ignite® color pigments.

These semi-rigid plastics will really take a beating and offer exceptional abrasion resistance. They are good for making high-impact resistance tools, prototypes, etc.

Smooth-Cast® 60D can really take a beating!

Smooth-Cast® Semi-Rigid Resin 'Shore D' Hardness Comparison:

SC 45D SC 60D & 61D SC 65D & 66D 70D (for comparison Softer, Bendable Some Flexibility Semi-Rigid Rigid, Not Flexible

Dozens of Smooth-Cast® 65D boulders
were cast to launch the latest JEEP®
model at the New York Auto Show.

Smooth-Cast®

Smooth-Cast® 65D
(Formerly Smooth-Cast® ROTO®)
is unique among the
semi-rigid resins. It has
a gradual cure profile
making it ideal for
rotational casting
applications. It can
be cast hollow or
filled with foam
for lightweight
reinforcement.

Product Name	1 2 2	Name of the last	1 20	A de la constante de la consta	1 1 5	Same of the same o	18 3		1 4 4	
Smooth-Cast* 45D	1:1 pbv	500 cps	5 min.	30 min.	45D	0.01	25.6	1,500 psi	100%	Caramel
Smooth-Cast* 60D	1:1 pbv	1,500 cps	5 min.	30 min.	60D	0.015	26.4	2,200 psi	30%	Caramel
Smooth-Cast* 61D	1:1 pbv	1,500 cps	7 min.	60 min.	61D	0.015	25.6	1,800 psi	20%	Caramel
Smooth-Cast* 65D	1:1 pbv	120 cps	2.5 min.	10-15 min.	65D	0.01	26.4	2,400 psi	20%	White
Smooth-Cast® 66D	1:1 pbv	120 cps	7 min.	60 min.	66D	0.01	26.4	2,400 psi	20%	Grey

Smooth-Cast® Series

General Purpose Casting Resins

Smooth-Cast® 380 tool used to cast a black electronics utility housing.

Polyurethane Plastic

Smooth-Cast® Tooling Resins

Smooth-Cast® 380 and 385 are mineral filled urethane casting resins that are very hard and durable. They also cure with low shrinkage. Smooth-Cast® 380 features ultra high density and very low cost. Smooth-Cast® 385 has high compressive and flexural strength. Fully cured castings are

tough, machinable and paintable.

Tool

for making industrial parts, foundry patterns, vacuum forming molds, and some ceramic applications.



Rigid Smooth-Cast® 385 Propeller Model

Smooth-Cast® 385 master molds can be used to cast silicone rubber production molds.

Feather Lite® - It Floats In Water

Feather Lite® is a heavily filled low-density urethane casting resin. Cured plastic is lightweight (it floats in water!) and can be carved, machined, sanded, etc. Feather Lite® can be pigmented with SO-Strong® color tints and finished castings can be painted. Feather Lite® yields more plastic per pound/kg. than other resins, lowering the cost per casting.

reather Lite*
ventriloquist
puppets
are easy to
handle.



6 ft (1.8 m) long Feather Lite* flying fish on display at the New Jersey Exhibition Center.

Product Name	1 2 2	/ # Z	1		1 2 8	1 4 4	18 2		1 2 8	/ 👸
Smooth-Cast® 380	1:1 pbv	1,140 cps	6 min.	60 min.	82D	0.0025	15.9	3,550 psi	1.43%	Tan
Smooth-Cast® 385	1:5 pbw	3,000 cps	20 min.	2 hrs.	85D	0.0006	17.3	3,100 psi	1%	Beige
Feather Lite*	1:1 pbv	410 cps	8.5 min.	2 hrs.	58D	0.003	41.3	2,160 psi	1.6%	Belge

TASK[®] Series

High-Performance Casting Resins

TASK® Series plastics are a line of urethane casting resins that offer superior physical properties compared to our popular Smooth-Cast® line of general purpose casting resins. TASK® plastics feature convenient mix ratios by volume (pbv) or weight (pbw), low viscosities, high tensile and flexural strength, as well as high flexural modulus.

TASK® 2 & TASK® 3 - Low viscosity, fast cure resins made especially for rapid prototyping environments.

TASK® 4 - With exceptional flexural strength, TASK® 4 plastic was developed to be unbreakable when cast in ultra thin-wall sections - as thin as a sheet of paper.

TASK® 5 & TASK® 6 - Time tested economy performance resins.

TASK® 7 Flame Out® - Low viscosity, fast set resin that meets UL 94 V-O requirements for flame resistance.

TASK® 8 - Heat resistant urethane plastic that can withstand temperatures up to 263°F/129°C.

TASK® 9 ColorMatch - Readily accepts color pigments and yields parts with extraordinary tensile strength.

TASK® 4 has been a regular fixture of prototype shops around the world for over 35 years, helping

bring design concepts to market.

25

TASK® 9 ColorMatch resin is pigmented to create color-coded paper spool caps for a Manhattan print house.

was used to create prototype oversized remote controls used for consumer testing prior to final production.

TASK® 2

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Flame-resistant TASK® 7 meets UL 94 V-O requirements. It self extinguishes once the flame is removed.

Assembly fixtures cast in TASK® 8 are heat-resistant up to 263°F/129°

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/	Product Name	A Salar	No. of the last of	1 8	No Marie	1 4 8	Shirth States	/ å 30 .	To the state of th	Elong a	
	TASK* 2	1:1 pbv	150 cps	7 min.	60 min.	80D	0.005	24.7	6,650 psi	6%	White
	TASK® 3	1:1 pbv	150 cps	20 min.	90 mln.	80D	0.0025	24.7	6,650 psi	6%	White
	TASK* 4	100:100 pbw	250 cps	20 min.	16 hrs.	83D	0.0035	23.9	6,500 psi	4%	Ivory
	TASK® 5	1:1 pbv	600 cps	3 min.	15 min.	77D	0.007	25.2	4,530 psi	5%	Tan
	TASK® 6	1:1 pbv	800 cps	7 min.	75 min.	75D	0.0031	25.9	5,200 psi	4%	Tan
	TASK® 7	1:1 pbv	200 cps	2.5 min.	10 min.	73D	0.0111	23.1	3,390 psi	15.1%	White
	TASK® 8	1:1 pbv	100 cps	2.5 min.	10-15 min.	80D	0.01	25.4	5,840 psi	4%	Off-White
	TASK* 9	1:1 pbv	300 cps	7 min.	60 min.	85D	0.009	24.3	7,800 psi	6%	Clear Amber

TASK[®] Series

High-Performance Casting Resins

TASK® 11 (formerly C-1509) - Semi-rigid resin originally developed for high impact tooling (drop hammer punch). It also offers good abrasion and chemical resistance.

TASK® 13 & TASK® 14 (formerly C-1515, C-1520) - High impact resistance, low cost semi-rigid plastics are used for a variety of industrial applications including fast mold making, prototyping, durable miniatures, black-colored props and special effects.

TASK® 15 - Exhibits exceptional impact strength when cast in thin-wall sections. TASK* 15 features a gradual cure profile, making it ideal for rotational casting applications.

TASK® 16 - Fast-setting Shore 80A/30D industrial urethane that offers very high tear strength, impact resistance and wear resistance. TASK® can also be rotationally cast for lightweight foam filled castings.

TASK® 18 (formerly C-1508) - Relatively low viscosity aluminum filled urethane resin that was developed specifically for making short run vacuum forming molds.

TASK® 21 - Described by many as having similar performance and mechanical characteristics to ABS plastic, with high compressive and flexural strength as well as good shock absorbance.

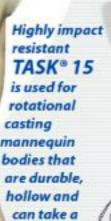
> TASK® 16 is quick setting, easily pigmented and can be used to cast parts, props, etc. that are flexible and highly impact resistant.

TASK® 18 resin is heat resistant and very rigid. It is used to make large vacuum form molds for making custom communications satellite covers for Lucent Technologies.



Semi-rigid TASK® 13 used for the controller housing for the Laser Rack performance power lifting monitor.

Polyurethane Plastic



beating.

TASK® 21 video phone prototype housing has similar performance properties to ABS plastic.



Pressure resistant and shark proof TASK® 11 used to house deep ocean signal transponders for US Navy.

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Product Name	1 44	4.2	/ *	1 4 ~	1 4 4	1 4 6	122	1 2 2	140	/ "
TASK* 11 (C-1509)	100:100 pbw	2,000 cps	20 min.	16 hrs.	60D	0.0024	24.7	2,500 psi	100%	Milky Amber
TASK® 13 (C-1515)	100:120 pbw	800 cps	3 min.	20 min.	95A, 50D	0.005	24.1	1,800 psi	125%	Black
TASK* 14 (C-1520)	100:120 pbw	800 cps	10 min.	45 min.	95A, 50D	0.0035	24.1	1,800 psi	125%	Black
TASK* 15	75:100 pbw	600 cps	6 min.	60 min.	75D	0.0042	24.7	2,720 psi	20%	Opaque White
TASK* 16	1:2 pbw	1,400 cps	6 min.	90 min.	80A, 30D	0.0025	25.6	2,264 psi	233%	Light Yellow
TASK® 18 (C-1508)	26:100 pbw	4,400 cps	20 min.	16 hrs.	88D	0.0006	17.6	3,250 psi	1%	Metal Gray
TASK® 21	2:1 pbv	500 cps	6 min.	60 min.	75D	0.0058	25.9	5,500 psi	7.5%	White
TASK* 14 (C-1520) TASK* 15 TASK* 16 TASK* 18 (C-1508)	75:100 pbw 1:2 pbw 26:100 pbw	600 cps 1,400 cps 4,400 cps	6 min. 6 min. 20 min.	60 min. 90 min. 16 hrs.	75D 80A, 30D 88D	0.0042 0.0025 0.0006	24.7 25.6 17.6	2,720 psi 2,264 psi 3,250 psi	20% 233% 1%	Opaque Light \

Learn more at: www.smooth-on.com

Specialty Plastics

Crystal Clear® Series - Water Clear & UV Resistant

Crystal Clear® resins are unique water clear plastics that have been used for years to create spectacular large scale display castings (10 tons and larger), prototype models, lenses, ice effects for movie special effects and much more. There are different working time/demold time formulas to choose from depending on requirements. Impactful color effects are made with SO-Strong® color tints or Ignite® pigments.

Crystal Clear* resin used to cast 8 ft. (2.4m.) tall Buddha that resides high on a hilltop overlooking Hong Kong.

Highly detailed crystal skull prop created with Crystal Clear® resin.

8 ft. (2.4m.) tall colored Crystal Clear* 220 Christmas lights outside Radio City Music Hall in New York City.

SMASH!® Breakaway Plastic

thane Plastic

SMASH!* Plastic is a urethane liquid plastic designed to shatter/crumble on impact ("breakaway glass"). **SMASH!*** is water clear and, once fully cured, shatters like glass. It can be cast solid in thin sections to make window panes or rotationally cast to form hollow bottles, jars or other glass-like objects to be used as breakable props for film and stage productions.

Over six tons of SMASH! Plastic were used in the James Bond film,
'Die Another Day,' including a scene where 007 drives his Aston Martin
through huge ice palace doors made of SMASH! Plastic.

SMASH!® Plastic is "Actor-Safe"

Simply SMASH! -ing!

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100:90 pbw	600 cps	20 min.	16 hrs.	80D	0.001	26.7	2,500 psl	10%	Clear
100:90 pbw	600 cps	9 min.	90 min.	80D	0.0125	26.7	3,500 psi	10%	Clear
100:90 pbw	600 cps	2 hrs.	48 hrs.	80D	0.002	26.7	3,500 psi	10%	Clear
100:90 pbw	600 cps	4 hrs.	5 days	80D	0.002	26.7	2,500 psi	10%	Clear
100:75 pbw	675 cps	22 min.	overnight*	85D	0.0173	25.9	8,190 psi	12%	Clear
1:1 pbv	900 cps	5 min.	90 min.	80D	0.0125	26.7	N/D	N/D	Clear
	100:90 pbw 100:90 pbw 100:90 pbw 100:90 pbw 100:75 pbw	100:90 pbw 600 cps 100:90 pbw 600 cps 100:90 pbw 600 cps 100:90 pbw 600 cps 100:75 pbw 675 cps	100:90 pbw 600 cps 20 min. 100:90 pbw 600 cps 9 min. 100:90 pbw 600 cps 2 hrs. 100:90 pbw 600 cps 4 hrs. 100:75 pbw 675 cps 22 min.	100:90 pbw 600 cps 20 min. 16 hrs. 100:90 pbw 600 cps 9 min. 90 min. 100:90 pbw 600 cps 2 hrs. 48 hrs. 100:90 pbw 600 cps 4 hrs. 5 days 100:75 pbw 675 cps 22 min. overnight*	100:90 pbw 600 cps 20 min. 16 hrs. 80D 100:90 pbw 600 cps 9 min. 90 min. 80D 100:90 pbw 600 cps 2 hrs. 48 hrs. 80D 100:90 pbw 600 cps 4 hrs. 5 days 80D 100:75 pbw 675 cps 22 min. overnight* 85D	100:90 pbw 600 cps 20 min. 16 hrs. 80D 0.001 100:90 pbw 600 cps 9 min. 90 min. 80D 0.0125 100:90 pbw 600 cps 2 hrs. 48 hrs. 80D 0.002 100:90 pbw 600 cps 4 hrs. 5 days 80D 0.002 100:75 pbw 675 cps 22 min. overnight* 85D 0.0173	100:90 pbw 600 cps 20 mln. 16 hrs. 80D 0.001 26.7 100:90 pbw 600 cps 9 min. 90 min. 80D 0.0125 26.7 100:90 pbw 600 cps 2 hrs. 48 hrs. 80D 0.002 26.7 100:90 pbw 600 cps 4 hrs. 5 days 80D 0.002 26.7 100:75 pbw 675 cps 22 min. overnight* 85D 0.0173 25.9	100:90 pbw 600 cps 20 min. 16 hrs. 80D 0.001 26.7 2,500 psl 100:90 pbw 600 cps 9 min. 90 min. 80D 0.0125 26.7 3,500 psl 100:90 pbw 600 cps 2 hrs. 48 hrs. 80D 0.002 26.7 3,500 psl 100:90 pbw 600 cps 4 hrs. 5 days 80D 0.002 26.7 2,500 psl 100:75 pbw 675 cps 22 min. overnight* 85D 0.0173 25.9 8,190 psl	100:90 pbw 600 cps 20 min. 16 hrs. 80D 0.001 26.7 2,500 psi 10% 100:90 pbw 600 cps 9 min. 90 min. 80D 0.0125 26.7 3,500 psi 10% 100:90 pbw 600 cps 2 hrs. 48 hrs. 80D 0.002 26.7 3,500 psi 10% 100:90 pbw 600 cps 4 hrs. 5 days 80D 0.002 26.7 2,500 psi 10% 100:75 pbw 675 cps 22 min. overnight* 85D 0.0173 25.9 8,190 psi 12%

*Material requires post-cure. Refer to technical bulletin for details.

Learn more at: www.smooth-on.com

Specialty Plastics

Simpact® 85 Tough 85A Urethane

Simpact® 85 is a low odor, fast-setting Shore 85A urethane that offers very high tear strength, impact resistance and wear resistance. Simpact® 85 is phthalate free, mercury free and MOCA free. Cured rubber has exceptional performance characteristics and dimensional stability. Simpact® 85 can be colored with SO-Strong® or Ignite® colorants. Simpact® 85 is suitable for making impact resistant props, prototypes and display pieces.

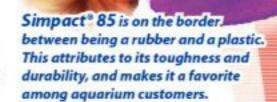


Plasti-Paste® II holds a vertical surface without sagging for making lightweight mother molds.

Plasti-Paste® II Trowelable Plastic Paste

Plasti-Paste® II is a low-cost fiber-filled resin that holds a vertical surface without sagging and cures to a strong, durable and lightweight plastic. Developed originally as a mother mold material, this plastic can also be used for creating themed environments or special effects. Cured plastic can be sanded, machined and painted with acrylic enamel paints.

Plasti-Paste® II is easily applied into a rubber mold or over an armature to create amazing themed environments and sculptures.





Shell Shock® Brushable Liquid Plastic

Shell Shock® FAST and SLOW are thixotropic plastics that self-thicken when mixed and can be brushed onto a variety of surfaces or

be brushed onto a variety of surfaces or into rubber molds. Material cures at room temperature with minimum shrinkage to a hard, durable plastic. Fully cured castings are rigid and can be sanded, primed and painted. **Shell Shock**® is ideal for making fast, lightweight rigid molds for creating silicone appliances and effects.

painted. Shell Shock® is ideal for makin fast, lightweight rigid molds for creatin silicone appliances and effects.

Shell Shock® rigid molds are used to

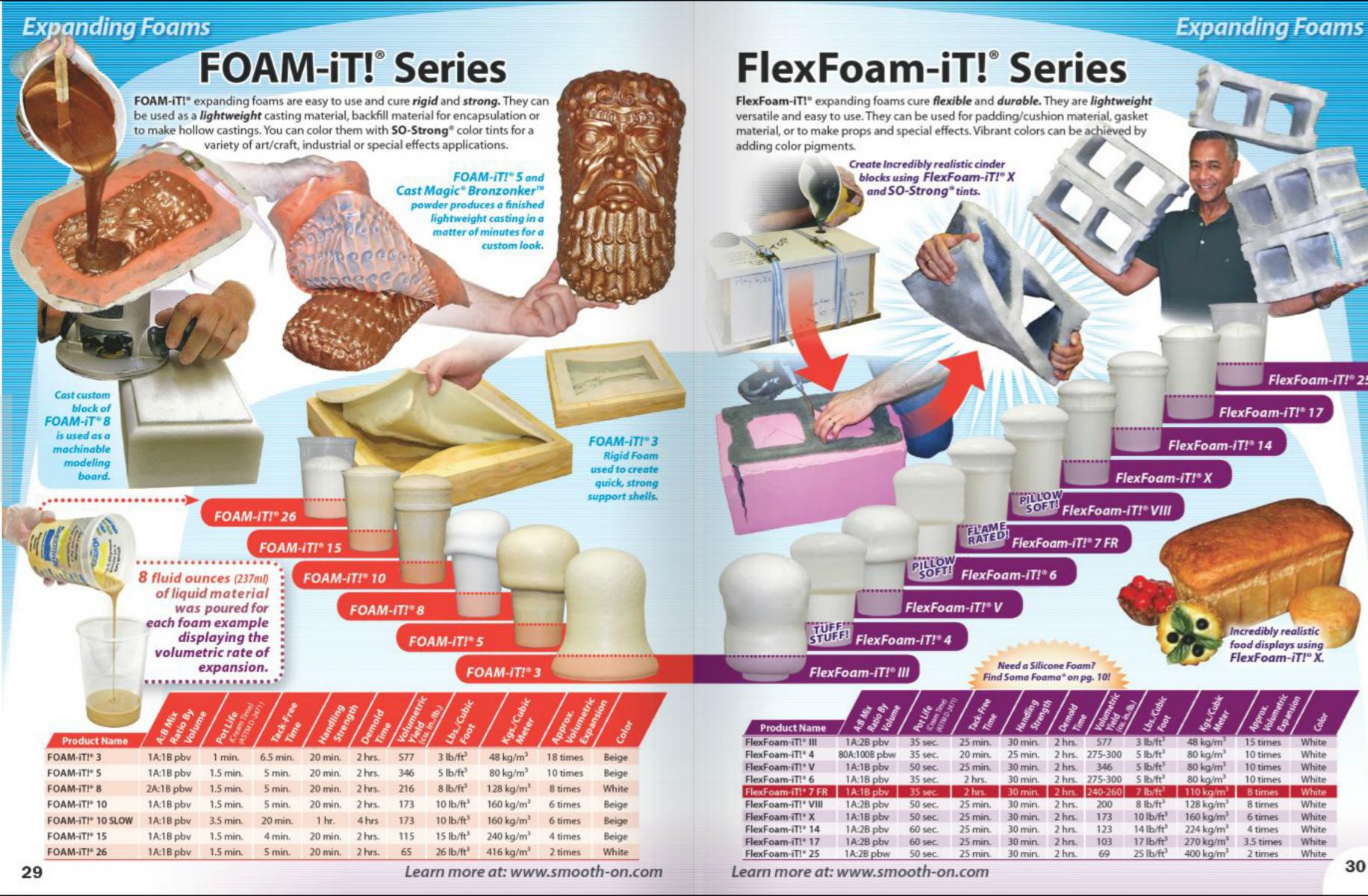
A foam sculp



A foam sculpture created by artist Fran Volz was coated with Shell Shock® and then sanded, primed and painted.

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Product Name	1 4 4	1 2 2	1 8	19 %	1 2 8	188	188	3 2	1 3 2	0
Simpact® 85	85:100 pbw	1,100 cps	4 min.	2 hrs.	85A	0.007	25.4	1,573 psi	164%	Off-White
Plasti-Paste® II	1:2 pbv	Paste	10 min.	90 min.	70D	0.005	27.73	2,150 psi	1.14%	Off-White
Shell Shock® Fast	1:4 pbv	3,000 cps	3 min	60 min.	85D	0.0006	17.3	3,100 psi	0.4%	Beige
Shell Shock® Slow	1:4 pbv	3,000 cps	8 min	5 hrs.	85D	0.0006	17.3	3,100 psi	0.4%	Beige

create film-quality silicone masks.



White

FlexFoam-iT!® 25



Polyurethane Accessories

URE-FIL' Fillers are low cost, lightweight fillers that are easily dispersed in most Smooth-On resins to attain different finishes and effects.

URE-FIL' 3 is a ceramic filler that will give plastic castings a ceramic or porcelain-like finish.

URE-FIL* 5 is a lightweight filler that is your best choice for achieving a wood effect with plastics.

URE-FIL 7 provides dimensional stability, economy & improved flame resistance.

URE-FIL' 9 is a lightweight filler that can be added to urethane as a thickener for brush-on applications.

URE-FIL 11 is a fiber-based filler that can be added to all Smooth-On products to thicken for brush-on applications.

URE-FIL' 15 micro-balloons that can be added to Smooth-On urethane plastics to create very light weight castings.

SO-Strong® Colorants can be added to any Smooth-On liquid urethane rubber, urethane plastic, epoxy or urethane foam. Used to create a variety of color effects.



White

Green





PMS 102C

















SO-CURE® KICK-IT® SO-FLEX®

SUN DEVIL® Slows color change and physical degradation due to UV exposure.

Accelerates the cure time of liquid urethane plastic products.

Accelerates the cure time of liquid urethane rubber products.

Softening agent that lowers the durometer of Smooth-On urethane rubbers.

XTEND-IT® Dry gas blanket designed to extend the shelf life of unused moisture sensitive polyurethane products.



EpoxAmite® Series Laminating System

EpoxAmite® 100 Epoxy Laminating System is an easy-to-use liquid epoxy system formulated for a wide variety of fabrication applications. EpoxAmite® 100 Laminating System is unfilled, low in viscosity,

odorless and cures at room temperature. Cured epoxy displays exceptional physical and performance properties. It can be sanded, shaped, machined, drilled, tapped and painted.

Pump "One Push Dispensing Pump

> EpoxAmite® 100 Laminating System can be used with reinforcements such as S-Glass, E-Glass, Kevlar and carbon fibers for lay-up applications or composite parts. EpoxAmite® 100 can also be mixed with fillers such as fumed silica for

gel coat applications. URE-FIL® 3, URE-FIL® 7 and other fillers can be added for fairing, filleting or bonding applications.



101 Fast

103 Slow

102 Medium

EpoxAcoat® RED or GREY is a

thixotropic epoxy gel coat that is widely used for hand laminating/tooling applications. It is a tough and strong surface coat resin that cures at room temperature and offers exceptional abrasion resistance. EpoxAcoat® is easy to use, wets out well over a variety of surfaces and will coat vertical surfaces without sagging. It is designed to complement and work well with our EpoxAmite® Laminating System (used as a backup for making tools, patterns, fixtures, etc.).

Ultra-tough EpoxAcoat® tool is ready to make prototype/production composite parts for motorcycles.

33

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Product Name	7 2 4	1 1 2	/ 4	A LE	1 2 8	1 4 4	12 To 1	3 3 2	\ & &	1 30
EpoxAmite*101 Fast	100A:24B pbw	1,000 cps	11 min.	6-8 hrs.	84D	N/A	24.5	7,930 psi	11,550 psi	Clear Yellow
EpoxAmite®102 Medium	100A:29B pbw	650 cps	22 min.	10-15 hrs.	80D	N/A	25	8,180 psi	10,970 psi	Clear Yellow
EpoxAmite*103 Slow	100A:28.4B pbw	650 cps	55 min.	24 hrs.	80D	N/A	25.2	7,910 psi	10,500 psi	Clear Yellow
EpoxAcoat® RED	100A:15B pbw	Paste	20 min.	16 hrs.	85D	.00015	18.5	26,000 psi	24,000 psi	Red
EpoxAcoat® GREY	100A:15B pbw	Paste	20 min.	16 hrs.	85D	.00015	18.5	26,000 psi	24,000 psi	Grey

EpoxAcast® castable epoxies are used for a variety

of industrial applications. They are easy to use, contain no VOC's and are solvent free. Compared to Smooth-Cast® or TASK® urethane plastics, EpoxAcast® epoxies are generally harder, have higher compression strength as well as higher heat and abrasion resistance. They are also widely used for electrical encapsulation and bonding applications.

> EpoxAcast® 650 is a mineral filled general purpose casting epoxy that is low cost and versatile. It features a low mixed viscosity for minimal bubble entrapment. Choose Fast, Medium or Slow catalyst to fit your project. You can also use HT Hardener to give your castings higher heat resistance. EpoxAcast® 650 is used for making hard dies for metal stamping as well as patterns and fixtures. It is also used for electrical encapsulation to extend the life cycles and enhance the performance of potted electronic devices.

poxAcast* 650 is used for encapsulating sensitive electronics.

EpoxAcast® 650's high compressive strength makes it ideal for making stamping dies that withstand 20 tons of pressure for production pressing of copper metal ornaments.

EpoxAcast® 655 is an aluminum filled casting epoxy that is dimensionally stable even when mass cast. It is thermally conductive and fully machineable when cured. Choose Fast, Medium or Slow catalyst to fit your project. You can also use HT Hardener to give your castings higher heat resistance. EpoxAcast* 655 is

used for making vacuum forming dies, injection molds, foundry patterns and tooling fixtures.

EpoxAcast® 655 is commonly used for vacuum forming dies.

Castable Epoxies



EpoxAcast® 670 HT High Temp Castable Epoxy

EpoxAcast® 670 HT offers exceptional high temperature resistance to 350°F / 177°C and low shrinkage. It is used for making high temp resistant industrial parts and tooling, high-speed hard rollers, prototype injection molds, vacuum forming dies and fixtures.

desistant

EpoxAcast® 670 is used to make prototype high heat injection molds.

EpoxAcast® 690 Clear is a UV resistant clear casting epoxy that is ideal for making clear jewelry/beads or replacement lenses for kit cars, etc. Color with SO-Strong® color tints. Also suitable for making clear molds and prototype parts.

EpoxAcast® 690 is perfect for resin jewelry craft.

Values are mass and configuration dependant. *Also compatible with Medium and Slow speed catalyst

Optically clear lens for projector prototype.

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Product Name	7 7 8	1 2 2	1 8	1 9 K	12 8 8		120 74 C	52	1 8 4	/ 0
EpoxAcast® 650 Fast*	100A:12B pbw	7,000 cps	20 min.	1 hr.	93B	.001	18.22	6,000 psi	16,350 psi	Off-White
EpoxAcast ^o 655 Fast*	100A:10B pbw	23,000 cps	30 min.	3 hrs.	90D	.0006	16.7	4,810 psi	12,500 psi	Grey
EpoxAcast® 670 HT	100A:16B pbw	6,000 cps	3 hrs.	24 hrs.	90D	.002	20.5	4,500 psi	13,000 psi	Beige
EpoxAcast® 690 Clear	100A:30B pbw	200 cps	5 hrs.	24 hrs.	80D	.002	25	6,630 psi	9,610 psi	Clear

Learn more at: www.smooth-on.com

1 20 8 1 3 0 1 3 5

Tarbender is a UV resistant clear liquid epoxy that can be poured over a variety of surfaces to provide a strong, high gloss coating. Parts A and B mix together and flow easily. Tarbender epoxy cures at room temperature and offers high impact resistance. Tarbender' is an excellent wood bar top coating and can also be poured over plaster, concrete, foam, fabrics, etc. You can use Tarbender' to encapsulate 3-D objects or coat flat objects, paper and more.

Tarbender' is ideal for encapsulating objects. For this application, sea shells and other ocean themed pieces are used.

Specialty

Epoxies

Epsilon EPS Foam Coating Epoxy is a two-part thixotropic epoxy coating that self thickens for brushing onto a variety of surfaces without sagging. This product was developed for fabricators that regularly coat EPS foam. Cured material is easily sanded, primed and painted. When applying to vertical surfaces, Epsilon' wets out uniformly. Only 2 layers minimum are required to build an adequate thickness and provide an impact resistant coating.

You can pigment Epsilon with SO-Strong color tints. Some users add color to every other layer to ensure thorough coverage.



35



Free Form®- Air Epoxy Putty

is an extremely lightweight epoxy putty suitable for an infinite variety of industrial and art-related applications. This low-odor, low shrinkage putty is unique, inexpensive and easy to use. Use to make rigid support shells or mother molds, as a filleting material in epoxy tooling, or in between layers of EpoxAmite® and fiberglass cloth, carbon or other fiber for making lightweight composite parts.

Free Form®- Air Epoxy Putty can be used as a filleting material in epoxy tooling.

Free Form' - Earth' Epoxy Putty

is an extremely strong, clay-like epoxy putty suitable for many an infinite variety of industrial and art-related applications. This is a low-odor, low-shrink putty that is unique, inexpensive and easy to use for sculpting fine detail by hand or using tools. Free Form® Earth cures to a hard,

rigid epoxy that is very strong, chemically resistant, and waterproof.

Free Form' - Sculpt' Epoxy Putty

is a sculptable epoxy clay that requires no firing and will self-cure in a short time to an extremely hard and durable state with virtually no shrinkage. Free Form® Sculpt is 30% lighter than similar products and holds vertical surfaces better. It has an ultra fine particle size that gives the user the ability to sculpt finer detail with better precision using tools or shaping by hand.

Free Form Detailer is a low viscosity liquid that makes adding details and detail effects to the surface of Free Form Sculpt® Epoxy Putty easy.

Free Form Earth and Free Form Sculpt do not contain crystalline silica (a known carcinogen). They can both be safely sanded, shaped, drilled, tapped, and painted.

(C)	F 3.0	120	F/ 3	/ 2.	1/2	P / 2	7 E		1 8 8	/ 3
Product Name	1 4 4	A SE SE	1 8	A LE	\ \x \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 th 1	1 2 2 E	15 15	S. S. S.	1 8
Tarbender*	2A:1B pbv	1100 cps	45 min.	16 hrs.	75D	N/A	25.4	N/A	N/A	Clear
EPSILON® w/ 101 Fast	100A:20B pbw	Variable	15 min.	16 hrs.	75D	N/A	23.9	N/A	N/A	Beige
EPSILON® w/ 102 Med	100A:25B pbw	Variable	30 min.	24 hrs.	75D	N/A	24.3	N/A	N/A	Beige
Free Form®- Air Putty	1A:1B pbv	Dough	Varies	24 hrs.	50D	N/A	61.6	N/A	N/A	Grey
Free Form®- Earth Putty	1A:1B pbv	Putty	Varies	16 hrs.	75D	< 0.001	15.0	N/A	N/A	Grey
Free Form®- Sculpt Putty	1A:1B pbv	Putty	Varies	overnight	80D	< 0.001	20.73	N/A	N/A	Grey

Epoxy Adhesives
For High-Performance Bonding

Metalset® A4® is a powerful metal-filled epoxy that bonds to porous or non-porous surfaces and can be applied to vertical surfaces without sagging. Cured epoxy can be machined, sanded, etc. A4" has been used for years by all branches of the U.S. Military.



Adhesives

specified by all branches of the U.S. military.

Super Instant® Epoxy bonds to metals, wood, glass, masonry and hard plastics in 5 minutes.

> Super Instant® Epoxy is also available in 200ml cartridges. See dispensing gun on page 42.

MT-13° is a two-component, premium industrial epoxy for applications requiring maximum holding power and water resistance. MT-13° is widely used by the boating industry for assembly and general repair.

EA-40° is a low viscosity epoxy that can be used for assembly and repair applications. Bow makers know EA-40° as an easy to use, reliable laminating resin.

PC-3® Black Tabletop Cement is a general purpose epoxy designed to permanently bond and caulk sections of laboratory tabletops.



is used worldwide for creating strong flexible, and lasting

will provide years of worry-free service.

Now available

application size!

ssembled lab table bonded with PC-3®

Sil-Poxy® Silicone Adhesive

Sil-Poxy* is a one-component adhesive made specifically for bonding tin or platinum silicone rubber to silicone rubber and other substrates. in convenient single

URE-BOND® II Urethane Adhesive

URE-BOND® II is a premium performance urethane adhesive that offers a strong flexible bond between many different surfaces. URE-BOND® II is ideal for adhering polyurethane rubber to many types of substrates.



Learn more at: www.smooth-on.com





EZ~Spray® StyroCoat® Sprayable Plastic Foam Coating

Flame rated EZ~Spray® StyroCoat® plastic is formulated to coat EPS foam economically. Dispensed through Smooth-On's EZ~Spray® Jr. spray system, the plastic cures in about 2 seconds and can be applied to vertical surfaces without running off.

Cured plastic is lightweight, impact resistant and can be sanded for priming and painting. StyroCoat® can also be sprayed into a rubber mold to make fast, impact resistant castings.

StyroCoat® plastic is used for theme

design/fabrication applications and making movie/ theater sets.

StyroCoat® coated foam pieces created for

the "Give Kids the World" charity theme park, Kissimmee, FL.

StyroCoat® coated foam sculpture used for a Broadway production of "Dracula."

EZ~Spray® Plastic

sprayed to quickly create a

mother mold/support shell.

EZ~Spray* Plastic can

can be sprayed through the EZ~Spray® Jr. System and other spray systems. They cure with negligible shrinkage to strong, durable mold rubbers good for production casting of polyester, epoxy or urethane resins, gypsum, concrete and other materials. EZ~Spray® Silicone 20 and 22 are ideal for making fast, reusable Perfect for Vacuum Bagging & Resin Infusion The cured composite car seat is removed and ready for installation.

EZ~Spray® Silicone 35

Brushable Version on page 11 EZ~Spray® Silicone 35 cures in one hour with negligible shrinkage

vacuum bags for producing composite parts.

~Spray® Silicone 20 & 22

EZ~Spray® Silicone 20 and 22

Guichter

quickly to a soft rubber with high elongation and tear strength. They

to a durable mold rubber good for production casting resins, foams, plaster and other materials.

EZ~Spray®

rayable Materials

he cured bag is removed. Resin gel coat and glass are

plied to the tool.

37



Silicone liners made with EZ~Spray* 35 for repairing hundreds of grocery store refrigeration units.

EZ~Spray® 45 Urethane Rubber, EZ~Spray® Plastic

EZ~Spray* 45 is a polyurethane rubber that can be sprayed for making fast molds of large surface areas. It cures overnight with negligible shrinkage and is suitable for casting a variety of materials.

EZ~Spray* Plastic can be sprayed over a rubber mold to create "mother molds" or support shells with high impact resistance. Cured plastic is

lightweight, tough and durable.

Hyde Park Mouldings sculpted and cast several 7 ft. tall (2.1 m.) concrete fountains.

EZ~Spray* 45 produced a flexible mold in a matter of hours.



	2 8	1 4 8	1 3	1 1 2	1 1 2	1 83	133	3/ 5 3	1 2 6	/ 3
Product Name	4 4 mg	1 2 2	/ «°	19 1	138	1 4 8	122	5 26	12 2	ی /
StyroCoat® Plastic	1A:1B pbv	Variable	2 sec.	60 min.	80D	0.015	24.7	3,170 psi	20%	Off-White
EZ~Spray* Plastic	1A:1B pbv	Variable	2 sec.	3 hrs.	75D	0.016	25.0	2,650 psi	10%	Off-White

Product Name EZ~Spray® Silicone 20 1A:1B pbv Sprayable 3 min. 20 min. EZ~Spray® Silicone 22 1A:18 pbv Sprayable 5 min. EZ~Spray® Silicone 35 1A:1B pbv Sprayable 1.5 min. 35A < 0.001 45A < 0.001 EZ~Spray® 45 1A:1B pbv Sprayable 20 min. 16 hrs.

EZ-Brush® Vac Bag

Polymer Modified Gypsum

FORTON_

FMG Casting System

ASTM E-84

formulated, all acrylic co-polymer which cross-links with a dry melamine resin to make the Forton MG moisture resistant and UV stable. FMG° is a unique combination of high-strength alpha hemi-hydrate gypsum with water based polymer chemistry that is reinforced with "E" glass fiber. FMG" is the first technology to make gypsum an exterior product, when painted or sealed, and is certified as meeting the ASTM E-84, Class A (or 1) flame rating for

Forton' VF-812 is a specially

Forton^e MG together with metal powders and other fillers simulate the look of metal, stone and other finishes.

duoMatrix®-G

duoMatrix'-G is a polymer additive system for alpha gypsums that greatly enhances physical and performance properties. Castings are stronger, lighter, weather resistant and can be demolded four times faster. Its versatility allows adding of metal powders and other fillers to simulate the look of metal, stone and other facades. duoMatrix*-G can also be pigmented and painted.

building materials.

duoMatrix* is combined with bronze powder to create the look of eal metal.



An easy-to-use version of duoMatrix'-G, NEO"s dry components (PART A) are "pre-measured" for easy measuring and mixing with PART B - latex liquid. Easy two-to-one by volume mix ratio means no scale is required. NEO° can be used to make lightweight pieces that are very strong and water-resistant. NEO* is also flame resistant; meeting the ASTM E-84, Class A (or 1) flame rating

for building materials.





duoMatrix* is strong and lightweight.

ASTM E-84 duoMatrix* castings are weather resistant and durable.

Flame Rated

Learn more at: www.smooth-on.com

Polymer Modified Concrete

FORTON_

VF-774 Additive For GFRC

Forton' VF-774 is an all acrylic thermoplastic co-polymer emulsion that significantly improves long-term physical properties of glass fiber reinforced concrete (GFRC) and Complies with PCI plant certification program specification Appendix L. Forton' VF-774 also eliminates the 7-day wet cure required to achieve the maximum strengths of the GFRC matrix at 28 days.

Additional Benefits of Forton VF-774 include:

- Reduces crazing and drying shrinkage cracks
- Improved workability of the mix at low water/cement ratios
- Reduces moisture absorption
- UV stable
- Uniform distribution of pigments for batch to batch color consistency.

Flame Rated ASTM E-84



Forton® Enhanced GFRC offers faster turnaround, lower labor costs and endless design possibilities.

Learn more at: www.smooth-on.com



Forton® VF-774 enhanced architectural elements created by Willis Construction for the Citrus Tower Corporate Plaza in Riverside, California.



duoMatrix®-C



Sealers and Release Agents

Sealers

SuperSeal* Liquid Sealer

Sonite® Wax

Economical, low viscosity, fast-drying sealing agent for a variety of surfaces that can be easily washed off.

Soft paste wax used to seal highly porous surfaces such as concrete. Will aid in releasing mold rubber from a variety of surfaces.

Ease Release® 2831 Liquid wax designed to seal with minimal wax build-up.

One Step®

Convenient, economical liquid that seals porous surfaces and releases urethane rubber in a single step.



Universal® Mold Release is made for mold making and casting with urethane rubber and plastic.

IN & OUT® II Concrete Release Agent



IN & OUT" II water soluble release agent used for releasing concrete from rubber molds. IN & OUT* II provides a clean, positive release which does not interfere with surface detail or colored concrete.

Kwikee® II Sprayer

An economical alternative to aerosols for dispensing liquid release agents and sealing agents, the Kwikee" II Sprayer delivers sealing agent or release agent in a fine mist.

Release Agents



Mann Release Technologies release agents cover many applications. Aerosol and Non-Aerosol, Solvent Based or Water Based; made especially for mold making and casting.

Ease F	Rela	200	e* 70	١
	Sei			

Used with silicones, urethanes, & resins a general purpose release agent

Ease Release® 300

Used with urethane elastomers & epoxy

Ease Release® 400

Used with EPDM, urethane & synthetic elastomers

Ease Release® 500 Series

Dry film mold release & dry lubricant

Ease Release® 700

Used with thermoplastics, melamine & polystyrene resins

Ease Release® 2125

PVA used to release polyester resin

Ease Release® 2300 Series

Used with urethane elastomers & epoxy (high viscosity)

Ease Release® 2310

Solvent-based soap release for urethane elastomers

Ease Release® 2831

Used with urethane foam

Ease Release® 2910

Heavy duty release for production casting of urethane elastomers

Mold Making & Casting Equipment

Vacuum Chambers are used for removing air from high viscosity materials like silicone rubber before pouring. They are also ideal for vacuum degassing liquid plastics such as Crystal Clear® plastic for making bubble free castings. The vacuum chamber is made from tough aluminum and the lid is made from shatter resistant acrylic. It can accommodate up to a 5 gallon pail. Vacuum pump not included.



Pressure Chambers are used for pressure casting liquid rubber and liquid plastics. Pressure casting resins is optimal for creating castings that are truly bubble free. Recommended pressure for pressure casting is 60 psi. Maximum pressure is 80 psi. Compressor not included.

EZ~Spray® Jr. Gun is a versatile, convenient and easy-to-use spray system for spraying 1,500 ml cartridges of EZ~Spray® mold making and casting materials for large projects. Additional static mixers are available. Compressor not included.



The 400 ml Dispensing Gun is available in both a manual and electric version. They both force parts A & B through a static mixing tube by squeezing the handle of the manual gun or pulling the trigger on the electric gun. The electric gun is excellent for frequent molders and larger projects. Mold Star" 16 FAST, Body Double", Dragon Skin", Ecoflex" are available, and other 400 ml cartridges can be used.

The 200 ml Dispensing Gun is available in a manual version only. Super Instant® Epoxy, and other 200 ml cartridges can be used.



Turbine Mixer has a simple design, yet does a better job of mixing rubbers, plastics, and foams than any mixer we've tried. It also mixes powderbased Alja-Safe* alginate and Matrix NEO® with fiber better, and is easy to clean.

Reike Spout Valve Adapter Kit is designed to fit snugly inside the

Reike brand pour spout which comes equipped with all 5 gallon buckets of Smooth-On material. The kit permits the pail to be stored on its side for more accurate and convenient pouring.

are calibrated to deliver the correct amount of Part A resin and Part B hardener with a single push. One Push 'A' + One Push 'B' = Correct Amount of product to mix - no need to weigh the components.

EpoxAmite® Dispensing Pumps



Mixing Containers with graduated markings. Available in 16 oz., 32 oz., 64 oz., and 165 oz. sizes. Packaged in cases of 10, 50 or 100 containers.



Equipment

cartridges (750 ml each)

An Important Material Resource: Sincoth-Con.Gom.

Instructional Video Gallery

We have over 60 Vice €0S on YouTube that take you through a variety of topics ranging from general mold making techniques to specific application instruction. Learn a lot in a short period of time by viewing our "Mold Making Minute™", "Casting Quickies™" & "Makeup Effects Minute™" videos.





Frequently Asked Questions

Benefit from the experience of others! Our archive contains over 50 years of accumulated information associated with mold making and casting. These FAQ's can help you avoid costly mistakes or solve puzzling problems.



Snap this QR Gode

with your smartphone and visit us at: www.smooth-on.com





Casting

Step-by-Step Photo Sequences

Our extensive "how-to" photo galleries show what you can expect to see when using Smooth-On products for your project.

Subserfbeon

You Tube

facebook

Ukeuson

Followuson

youtube.com/smoothoninc facebook.com/smoothon

twitter.com/smoothon

