SMOOTH-ON

SINCE 1895

PRODUCT CATALOG

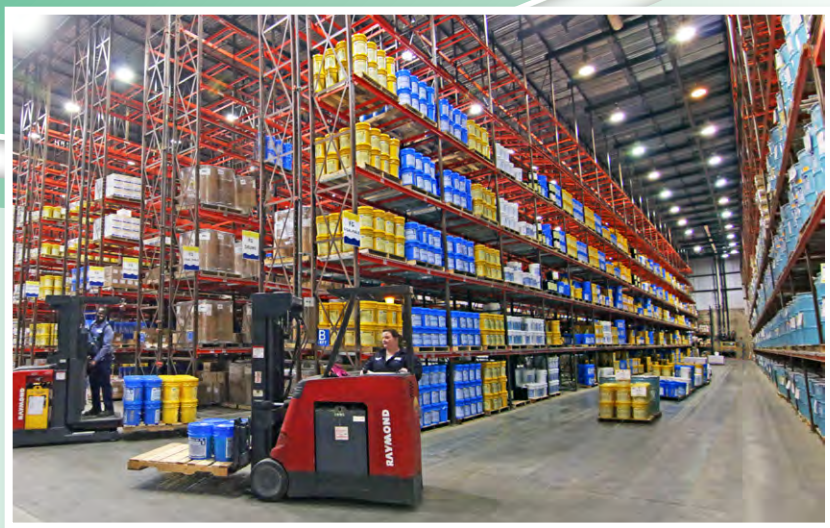
What Are You Waiting For?

Make It Now!

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

www.smooth-on.com

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



Smooth-On's 380,000 ft^2 (35,303 m^2) facility in Macungie, PA makes hundreds of materials that ship around the world.

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

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.

Find Material Answers for Your Project...

Thousands of people visit **smooth-on.com** everyday to view our videos and How-To galleries. Step-by-step instructions will help you understand how these materials can work for your project.

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.

What Are You Waiting For? Make It Now!™

Hands-On Training...

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 our materials to make their own molds and castings and gain an unparalleled learning experience.

SMOOTH-ON 5600 Lower Macungie Road, Macungie, PA 18062 | Tel: 610.252.5800 | www.smooth-on.com

Table of Contents

Mold Max™ Series

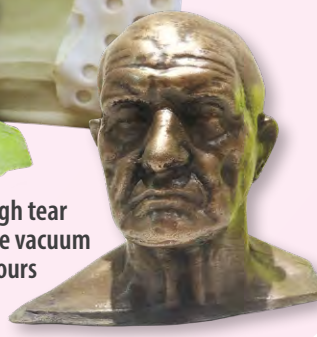
High Tear Strength, Low Cost, Versatile

Mold Max™ silicones are used around the world for a variety of industrial and art-related applications including architectural restoration, prototype model development, reproducing sculpture, creating special effects and themed environments.

***Max*imum Versatility** – Mold Max™ silicones are available in different Shore hardnesses and can be poured or brushed onto almost any surface. They capture the finest detail from any original model and reproduce that detail perfectly in any casting. They can be softened or thickened to customize the silicone for your project.

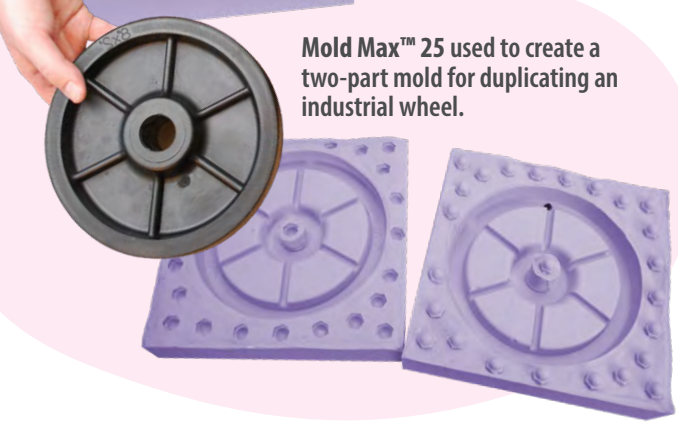
***Max*imum Durability** – Mold Max™ silicones feature high tear strength and are ideal for production casting of wax (candle making, wax foundry patterns) gypsum plasters, concrete, urethane, polyester and epoxy resins, low temperature melt metal alloys and more.

***Max*imum Last-ability** – featuring Smooth-On's exclusive "Libra" catalyst, molds made with **Mold Max™** silicones will last for years in your mold library.



Mold Max™ 14 NV has a high tear strength and does not require vacuum degassing. Liquid rubber pours easily and flows well over any surface.

Mold Max™ 25 used to create a two-part mold for duplicating an industrial wheel.



Mold Max™ 40 used to make prototype pieces. This medium hardness silicone yields accurate castings every time.

Mold Max™ 30 to make simple silicone molds to cast and paint foam replicas of props like shop tools.

Mold Max™ 20 used for a polyester lay-up to make large scale architectural elements.

Tin-Cure Silicone Rubber

Mold Max™ 60 features high heat resistance for casting metal alloys such as tin, pewter, etc. - up to 560°F / 294°C.

Mold Max™ STROKE™ is convenient and cost effective. It self thickens and holds a vertical surface for making detailed brush-on molds.

Mold Max™ - eXtra Low Shrinkage II
Long term dimensional stability and resistance to chemically harsh resins makes XLS™ a favorite with prototype shops.

Mold Max™ 10
- 10A Durometer

Mold Max™ 14NV & 29NV
- 14A & 29A Durometer
- No Vacuum Required

Mold Max™ 20
- 20A Durometer

Mold Max™ 25
- 25A Durometer

Mold Max™ 30
- 30A Durometer

Mold Max™ 40
- 40A Durometer

Mold Max™ 60
- 60A Durometer
- Heat Resistant Up to 560˚F/294˚C

Mold Max™ STROKE
- 30A Durometer
- Brushable

Mold Max™ XLS™ II
- 30A Durometer
- Low Shrinkage
- Resin Resistant

Mold Max™ 25 has a relatively low initial viscosity for easier mixing, vacuuming and pouring.

Learn more at: www.smooth-on.com

Mold Max™ T Series

Translucent For Easy Color Pigmenting

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, 15T & 27T silicones can be thickened with THI-VEX™ additive for brush-on applications.

Mold Max™ 10T 10A Durometer
Mold Max™ 15T 15A Durometer
Mold Max™ 27T 27A Durometer

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

OOMOO™ Silicones

It 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 jewelry and home hobby projects.

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

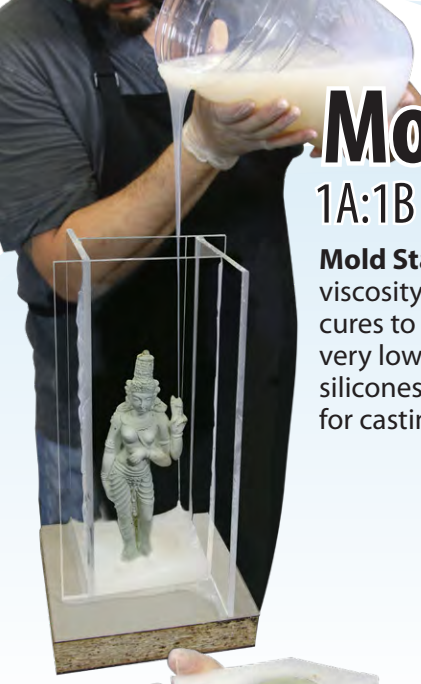
OOMOO™ 25
- 25A Durometer
- 15 minute pot life
- 75 minute demold time

OOMOO™ 30
- 30A Durometer
- 30 minute pot life
- 6 hour demold time

Mold Star™ Series

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

Mold Star™ silicones are easy-to-use and feature relatively low viscosity, meaning vacuum degassing is not required. **Mold Star™** cures to a strong 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, resins, and other materials.



Mold Star™ Series	
Mold Star™ 15 SLOW	15A Durometer
Mold Star™ 16 FAST	16A Durometer
Mold Star™ 30	30A Durometer
Mold Star™ Translucent Series	
Mold Star™ 14T	14A Durometer
Mold Star™ 19T	19A Durometer
Mold Star™ 20T	20A Durometer
Mold Star™ 31T	30A Durometer

Mold Star™ 30
is a durable, low viscosity silicone that reproduces exact detail from the original!

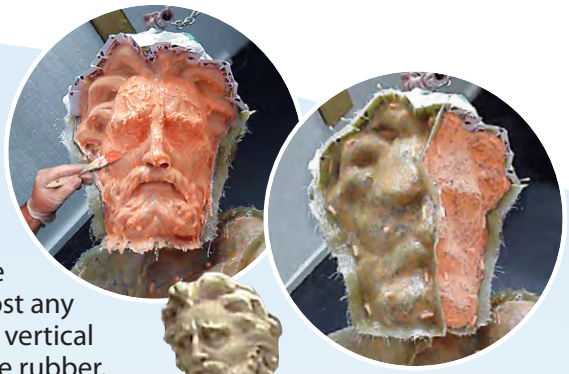
Mold Star™ 20T
is translucent and offers a great fast-curing soft silicone option.

Mold Star™ 16 Fast
is also available in 400 ml cartridges.
See dispensing guns on page 50.

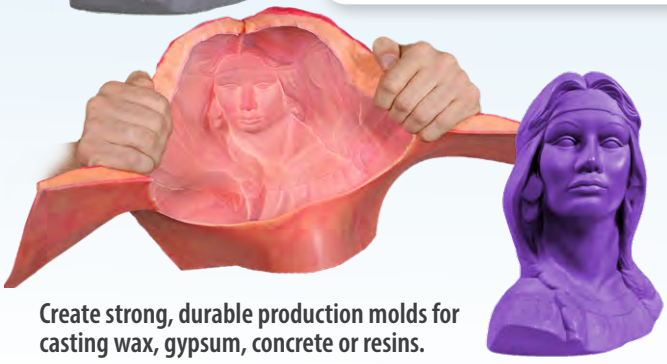
Rebound™ Series

Self-Thickening Brush-On Silicone Rubber

Rebound™ 25 and **40** are easy-to-use platinum-cure silicone rubbers that self-thicken 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.



Rebound™ 25	25A Durometer
Rebound™ 40	40A Durometer



Create strong, durable production molds for casting wax, gypsum, concrete or resins.

SOFT, HIGH TEAR STRENGTH

Learn more at: www.smooth-on.com

Smooth-Sil™ Series

Archival, Minimum Long-Term Shrinkage

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

Smooth-Sil™ 936 is the perfect choice for creating GFRC architectural elements. It is both chemical and abrasion resistant. With virtually no shrinkage, **Smooth-Sil™ 936** molds produce identical castings time after time.

Smooth-Sil™ 933 FR • Flame Rated	33A Durometer
Smooth-Sil™ 936 • Lower Viscosity	36A Durometer
Smooth-Sil™ 940*	40A Durometer
Smooth-Sil™ 945	45A Durometer
Smooth-Sil™ 950*	50A Durometer
Smooth-Sil™ 960*	60A Durometer

*Suitable for food grade applications

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

Smooth-Sil™ 940, 950 & 960 meet FDA compliance for food grade applications, making them suitable for baking molds and trays, ice trays, for casting butter, candy or chocolate and other applications used to produce food.

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

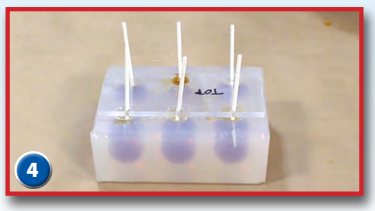
Translucent Silicone Rubber

SORTA-Clear™ 12, 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 models via cutting. **SORTA-Clear™** rubber is ideal for making prototypes, 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 & more.

Sorta Clear™ 18 molds are suitable for production castings and repeated use!

SORTA-Clear™ 12	12A Durometer
SORTA-Clear™ 18*	18A Durometer
SORTA-Clear™ 37*	37A Durometer
SORTA-Clear™ 40*	40A Durometer

*Suitable for food grade applications



Dragon Skin™ Series

Soft, Strong, Flexible, Stretchy... Incredible!

Dragon Skin™ is known around the world as the most versatile silicone available anywhere. Available in 2A,10A, 15A, 20A, or 30A Shore hardness, **Dragon Skin™** silicones are easy to use and can be colored with **Silc Pig™** color pigments or painted with the **Psycho Paint™** system.

Dragon Skin™ silicones are used to make lasting lifelike skin and monster effects for animatronics. They are perfect for making stretchy "glove molds" of models with deep undercuts for casting resin, plaster, etc.

Because of their extreme flexibility and wear resistance, **Dragon Skin™** silicones are used extensively for coating fabric, shock absorption and other industrial applications.

Dragon Skin™ mermaid suit with Cast Magic™ and Silc Pig™ colorants.

Dragon Skin™ 10 NV requires no vacuum degassing! Easily make glove molds that are soft and stretchy.

LAB TESTED SKIN SAFE CERTIFIED

Dragon Skin™ 10 is perfect for durable, stretchy, long lasting masks.

Incredibly Elastic

Dragon Skin™ FX-Pro™ is specifically designed for creating silicone makeup appliances and skin effects.

Dragon Skin™ 10	10A Durometer	**Dragon Skin™ 15**	15A Durometer
• Available in Slow, Medium, Fast, & Very Fast		**Dragon Skin™ 20**	20A Durometer
Dragon Skin™ 10 AF	10A Durometer	**Dragon Skin™ 30**	30A Durometer
• Anti Fungal		**Dragon Skin™ FX-Pro™**	2A Durometer
Dragon Skin™ 10NV	10A Durometer		
• No Vacuum required			

Learn more at: www.smooth-on.com

Ecoflex™ Series

Soft, Softer, Softest...

Extreme Flexibility and Performance

Ecoflex™ 00-30 mask and gloves painted with Psycho Paint™ by Composite FX.

Ecoflex™ Super-Soft rubbers are "sister" silicones to our **Dragon Skin™** series. Available in Shore hardnesses down to a 000-34, **Ecoflex™** silicones are extraordinarily soft, strong, durable and offer tremendous wear resistance.

Ecoflex™ 00-30 | Ecoflex™ 00-31 Near Clear™

Like **Dragon Skin™**, these rubbers are easy to use and can be vibrantly colored with **Silc Pig™** or painted with **Psycho Paint™**. **Ecoflex™** 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 for coating fabric.

Ecoflex™ Gel	000-35 Durometer
Ecoflex™ Gel 2	000-34 Durometer
Ecoflex™ 00-10	00-10 Durometer
Ecoflex™ 00-20	00-20 Durometer
Ecoflex™ 00-20 Fast	00-20 Durometer
Ecoflex™ 00-30	00-30 Durometer
Ecoflex™ 00-31 Near Clear™	00-31 Durometer
Ecoflex™ 00-33 AF Anti Fungal	00-33 Durometer
Ecoflex™ 00-35 Fast	00-35 Durometer
Ecoflex™ 00-45 Near Clear™	00-45 Durometer
Ecoflex™ 00-50	00-50 Durometer
Ecoflex™ 5*	5A Durometer

* Available in Cartridge Only

Ecoflex™ 00-50 is used to fabricate silicone socket liners for prosthetic limbs.

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

Soma Foama™

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, and orthopedics.

Soama Foama™ 15	15 lb/ft^3
Soama Foama™ 25	25 lb/ft^3

Soma Foama™ produces lightweight, flexible castings.

Encapso K™

Water Clear Encapsulation / Display Rubber

Encapso™ K is a 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.

Encapsulate Almost Anything!

Safe & Non-Toxic!

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

Rubber Glass™

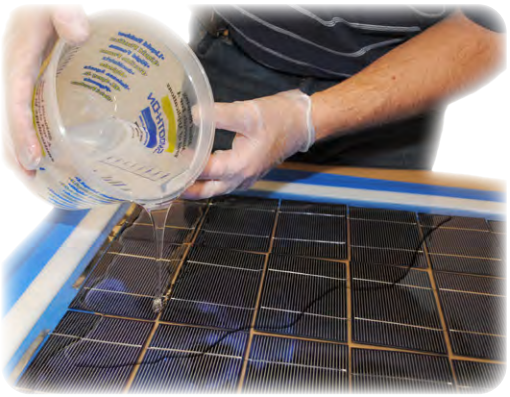
Water Clear Silicone Rubber Compound

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™** colorants or **Silc Pig™ Electric** color pigments. **Rubber Glass™** is used to create a variety of special effects and model effects.

Ice That Doesn't Melt!

Rubber Glass™ ice effect was used instead of real ice to solve the problem of replacing melting ice during an 8 hour photo shoot to make a magazine ad.

Solaris™ Clear Silicone Encapsulating Rubber



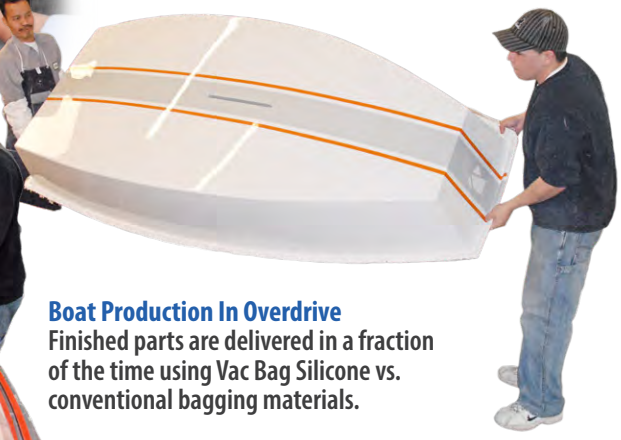
Solaris™ is a low viscosity, clear silicone designed to protect electronic components and other assemblies against shock, vibration, moisture, ozone, dust, chemicals and other environmental hazards. The optical clarity of **Solaris™** makes it suitable for potting solar cells for maximum light transmission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

Protect Electrical Components!

EZ-Brush™ Vac Bag Silicone

Brushable Platinum Silicone Rubber

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 vacuum 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.

EZ-Brush™ Vac Bag silicone 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.

Equinox™ 35 Fast	35A Durometer
Equinox™ 38 Medium	38A Durometer
Equinox™ 40 Slow	40A Durometer

* Refer to Technical Bulletin for more details

Equinox™ silicone putty is perfect for making molds on-site when other methods can't be used.

No Mess, No Waste.

Mold Making On The Fly …

PoYo™ Putty 40

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

Body Double™ Silicone

"Apply to Skin" Platinum Silicone Rubber

Body Double™ Fast Set and **Standard Set** have become Hollywood favorites for capturing and reproducing faces, hands, and other body parts.

Body Double™ SILK releases from closely cropped hair-covered skin without a release agent. Skin Safe **SILK** is compatible with original **Body Double™ Standard** and **Fast** 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.

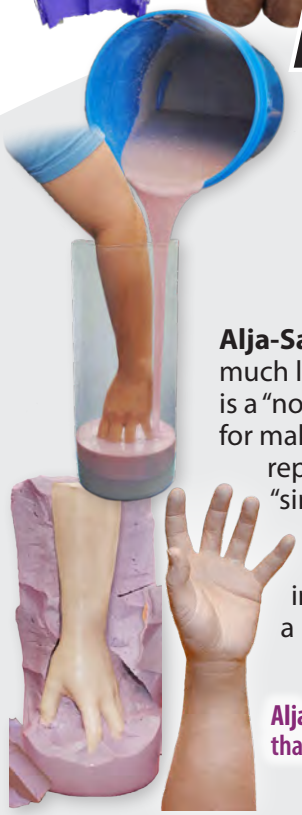
Body Double™ silicone can capture details down to a fingerprint.

Body Double™ SILK easily releases from closely cropped hair-covered skin.

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 alginate, perfect for making molds of the face and torso. Both reproduce fine detail and make an excellent "single use" mold. You can cast plaster, **Matrix Dryve™,** platinum-cure silicone, or **Smooth-Cast™ 300Q** urethane resin into the mold to make a reproduction.

Alja-Safe™ is used to create a prop arm that looks just like the real thing.

Patent Pending

Alja-Safe™ Breeze

Liquid Alginate

Crystalline-Silica Free

No Powder - No Dust!

Alja-Safe™ Breeze is a liquid alginate which blends easily with water, creating a unique, skin-safe moldmaking material.

Alja-Safe™ Breeze is perfect for making single-use pourable molds of hands, feet and other body parts. It captures excellent detail, giving you an accurate reproduction of your original.

Alja-Safe™ Breeze offers significantly less bubble entrapment vs. powder alginates and is virtually bubble free.

Acrobat™ is thicker and holds a vertical surface - great for molds of the face.

Learn more at: www.smooth-on.com

FaceGel™ 590
Thicker - Holds Vertical Surface

Accu-Cast™ FaceGel™ 590 alginate is an easy to use alginate mold material that is ideal for making layup molds used to reproduce fine details of a face. **FaceGel™ 590** has extra thickener which allows it to hold a vertical surface well with minimal slump, and makes an excellent temporary lifecasting mold. **FaceGel™ 590** has a set time of 5 minutes when mixed with water that has a temperature of 90°F / 32°C.

HandGel™ 570 Fine Details

HandGel™ 570 alginate is an easy to use alginate mold material that is ideal for making poured molds used to reproduce fine detail of the hands, feet and other body parts using a large container or bucket. **HandGel™ 570** makes an excellent temporary lifecasting mold and has a set time of about 5 minutes when mixed with water that has a temperature of 70°F / 21°C.

BabyGel™ 2
Fast - Changes Color when Curing

BabyGel™ 2 alginate is a fast curing, skin safe alginate mold material that is ideal for making accurate reproductions of your baby's / child's hand or foot. **BabyGel™ 2** is unique because when it is mixed with water at 80°F / 27°C, it visually changes color from pink to gray as it cures. This visual indicator makes it easy to determine when to insert the baby's / child's hand or foot into the mold gel. Mold will cure in about 3 minutes.

BodyGel™ 880
Large Surface Coverage

BodyGel™ 880 alginate is an easy to use alginate mold material that is an ideal choice for making molds which require coverage over a broad surface area of the body such as torsos or full body molds. **BodyGel™ 880** makes an excellent temporary lifecasting mold and has a set time of approximately 8 minutes when mixed with water that has a temperature of 80°F / 27°C.

Learn more at: www.accu-cast.us

370-SD™ Prosthetics & Orthotics

Accu-Cast™ 370-SD™ alginate is a fast curing, firm alginate mold material that is ideal for socket duplication in the creation of prosthetics and orthotics. This firm alginate can be poured into a prosthetic socket to assist in the fitment of artificial limbs. **370-SD™** has a set time of about 3 minutes when mixed with water that has a temperature of 70°F / 21°C.

LIFECASTING KITS

Our kits are the fastest way we know to get you started. We have a full range of kits including Baby/Child Hand, Adult Hand, Family Hand, Face, Head and Full Torso Casting. Replacement Alginates, LiquiStone™ and Plaster Bandages are available. Kits contain everything you'll need - except water. Everything is pre-measured, and our exclusive "Mix-In-The-Bag" technique makes cleanup a snap.

BabyGel™ 2
- 2 minute pot life
- 3 minute demold time
- water temp - 80°F / 27°C

BodyGel™ 880
- 5 minute pot life
- 8 minute demold time
- water temp - 80°F / 27°C

FaceGel™ 590
- 3.5 minute pot life
- 5 minute demold time
- water temp - 90°F / 32°C

HandGel™ 570
- 3.5 minute pot life
- 5 minute demold time
- water temp - 70°F / 21°C

370-SD™
- 2 minute pot life
- 3 minute demold time
- water temp - 70°F / 21°C

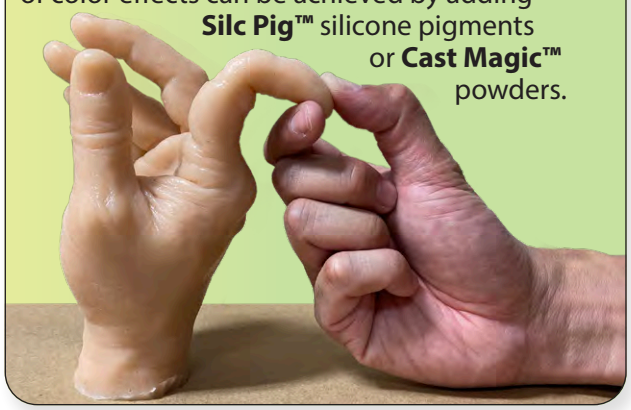
Fun Silicone™
- 6 minute pot life
- 30 minute demold time

LiquiStone™
- 15 minute pot life
- 3 hours demold time

FUN Silicone™

LAB TESTED SKIN SAFE CERTIFIED

Accu-Cast™ FUN Silicone™ is a soft silicone rubber made especially for casting into alginate molds to make flexible, exact rubber reproductions of body parts. **FUN Silicone™** is easy to use and cures to a strong rubber that is tear resistant and exhibits very low long term shrinkage. Fully cured silicone rubber is certified skin safe. Parts made with **FUN Silicone™** will last a long time and are easy to clean *(dishwasher safe)*. An infinite number of color effects can be achieved by adding **Silc Pig™** silicone pigments or **Cast Magic™** powders.



LiquiStone™

Easy To Use Casting Gypsum

Accu-Cast™ LiquiStone™ is an easy to use gypsum cement that can be cast into Accu-Cast™ alginate molds for reproducing human body parts for lifecasting. LiquiStone™ has a convenient mix ratio of 2 parts powder to 1 part water by volume and will have a working time of about 15 minutes. Castings can be demolded in about 3 hours. **LiquiStone™** can be cast solid, or can be laid up by hand (thicker consistency required). Fully cured castings can be machined, sanded, primed and painted.

You can cast **LiquiStone™** gypsum cement, plaster, **duoMatrix™ NEO** (polymer modified gypsum) or **Smooth-Cast™ 300Q** ultra-fast urethane resin into alginate molds to make reproductions.

Learn more at: www.accu-cast.us

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.

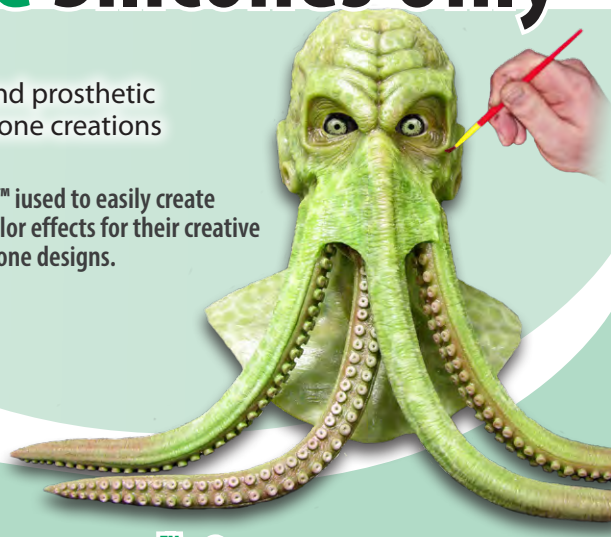
Accel-T™

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.



Psycho Paint™ iused to easily create painted-on color effects for their creative platinum silicone designs.

SLIDE™ STD

Liquid Surface Tension Diffuser
greatly reduces surface tension when added to platinum cure silicone.

Skin Tite™

is a skin safe silicone 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.

Derma-tac™ & Derma-tac™ Remover

Derma-tac™ is a pressure sensitive adhesive designed for temporarily adhering silicone and latex makeup prosthetic appliances to the skin. **Derma-tac™ Remover** is an easy-to-use one component liquid that will dissolve **Derma-tac™** and aid in removing appliances from the skin.

Plat-Cat™ Cure Accelerator

reduces the cure time of Smooth-On platinum silicones without significantly affecting the ultimate physical properties.

Slacker™

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

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.

Learn more at: www.smooth-on.com

For Use With ALL Silicones

Silc Pig™ Silicone 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 colorants that offer excellent dispersion and consistent color.

Red	Yellow	Blue	Green	Cyan	Purple
PMS 186C	PMS 107C	PMS 2757C	PMS 3292C	PMS 631C	PMS 2627C

Blood	Dark Flesh	Med. Flesh	Light Flesh	Brown	Black	White
PMS 7421C	PMS 469C	PMS 479C	PMS 488C	PMS 4625C	PMS BLACK	PMS WHITE

Silc-Pig™ pigments are mixed with Psycho Paint™ and applied with an airbrush to paint the finishing touches on an Ecoflex™ silicone mask.

Silc Pig™ Electric

Fluorescent Silicone Pigments

Pantone values are approximate.

Allow more ultraviolet light from the cured silicone to become visible to your eye vs. castings made with standard **Silc-Pig™** pigments. Castings appear brighter in ambient light and appear to glow under UV light (black light).

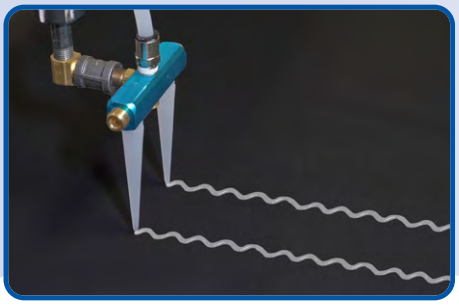
Electric Pink	Electric Green	Electric Blue
PMS 812C	PMS 802C	PMS 300C

Electric Orange	Electric Yellow	Electric Purple
PMS 1655C	PMS 809C	PMS 2405C

Si-Tac™ Adhesive FOR TEXTILES

Si-Tac™ is a two-part pourable liquid silicone adhesive that is applied to natural or synthetic fabric/clothing for the purpose of keeping sports or leisure wear in place during exercise. Garments will not shift or fall. **Si-Tac™** adhesive is very strong, sweat resistant and lasts through many laundering cycles.

- Customizable to Your Specifications
- Economical
- Control Rate of Cure with Heat
- Colorless & Non-Staining
- Highly Stretchable
- Resists Laundry Cycling
- Solvent Free, Non-Irritating
- Sweat Resistant
- Highly UV-Resistant
- High Temp Resistance & Low Temp Flexibility



Two Si-Tac™ silicone beads are delivered to a garment surface in a wave pattern. The garment is then passed through a heat tunnel to cure the silicone in under 60 seconds.

THI-VEX™ Silicone Thickener

is a liquid additive that thickens most Smooth-On mold making silicones making it easier to fill in undercuts or to apply to vertical and inverted surfaces. Different viscosities can be attained by varying the amount of **THI-VEX™** added.

Inhibit X™

is a single component, low-viscosity liquid that provides an added measure of protection against cure inhibition when pouring platinum silicone rubbers over many surfaces including sulfur clay, instant adhesives, tapes, wood surfaces, some plastics, SLA resins and others.

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.

APHIX™ Silicone Adhesion Promoter

will temporarily adhere most surgical tapes, bandages, dressings, etc. to silicone rubber surfaces including training mannequins, devices, etc.

Learn more at: www.smooth-on.com

Polyurethane Rubber

VytaFlex™ Series

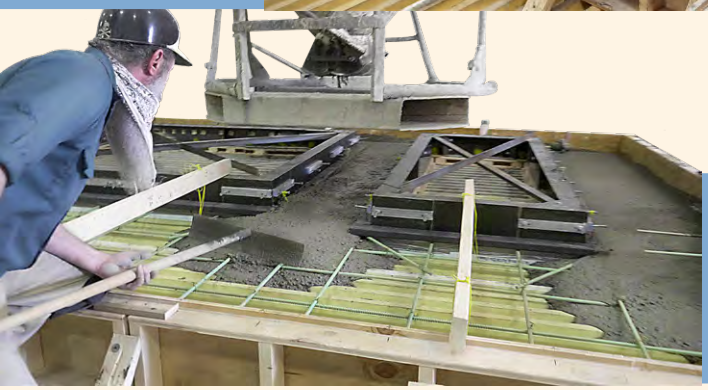
Made Especially for Casting Concrete

VytaFlex™ mold rubbers have been used in the production of concrete castings for over 20 years. This mold rubber is specially formulated using Smooth-On's exclusive **"V-Polymer" technology** for casting pigmented/colored concrete. Molds made with **VytaFlex™** rubber offer superior abrasion resistance and durability. They yield castings that are dimensionally precise and color accurate every time. **VytaFlex™** is available in 10A, 20A, 30A, 40A, 50A and 60A Shore hardnesses.

V-POLYMER™ TECHNOLOGY

VytaFlex™ 60 rubber is dispensed from the EZ-Mix™ Machine over a prepared model.

VytaFlex™ liners are positioned on the casting deck. Form walls are built around the perimeter and for window knockouts.



Rebar is positioned over the form and concrete is cast. A layer of insulation is sandwiched between two layers of reinforced concrete.

VytaFlex™ rubbers are widely used to create molds for casting stone veneer

The panels are sandblasted and stored in Slaw Precast's yard prior to installation.

VytaFlex™ 10 10A Durometer
- 30 minute pot life
- 24 hour demold time

VytaFlex™ 20 20A Durometer
- 30 minute pot life
- 16 hour demold time

VytaFlex™ 30 30A Durometer
- 30 minute pot life
- 16 hour demold time

VytaFlex™ 40 40A Durometer
- 30 minute pot life
- 16 hour demold time

VytaFlex™ 45 45A Durometer
- 30 minute pot life
- 16 hour demold time

VytaFlex™ 50 50A Durometer
- 60 minute pot life
- 16 hour demold time

VytaFlex™ 60 60A Durometer
- 60 minute pot life
- 16 hour demold time

More than 230 insulated concrete panels were made by Slaw Precast, cast into custom VytaFlex™ 60 formliners.

Learn more at: www.smooth-on.com

ReoFlex™ Series

For Casting Plaster, Wax, Resins & More

ReoFlex™ Series urethane rubbers offer superior physical and performance properties for production casting of wax, plasters, and resins. **ReoFlex™** urethanes are available in 10A, 20A, 30A, 40A, 50A and 60A Shore hardnesses.

ReoFlex™ mold rubber picks up all the intricate detail from this wall plaque and ceiling medallion.

ReoFlex™ 20 20A Durometer
- 30 minute pot life
- 16 hour demold time

ReoFlex™ 30 30A Durometer
- 30 minute pot life
- 16 hour demold time

ReoFlex™ 40 40A Durometer
- 30 minute pot life
- 16 hour demold time

ReoFlex™ 50 50A Durometer
- 50 minute pot life
- 16 hour demold time

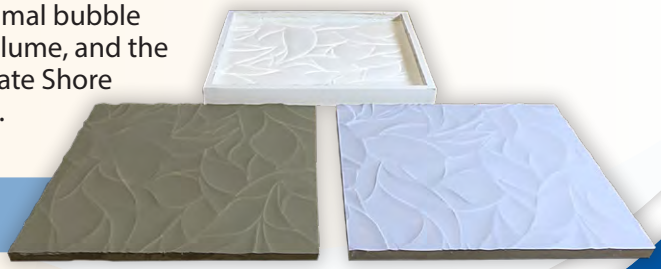
ReoFlex™ 60 60A Durometer
- 50 minute pot life
- 16 hour demold time

Easy to Use!

ReoFlex™ rubbers are widely used to cast wax for candlemaking.

Formlastic™ 48 and 60

Formlastic™ 48 and **60** filled urethane rubbers are used to make molds for production casting of concrete. They feature low viscosity for easy mixing / pouring and cure with minimal bubble entrapment. Mix ratio is 1A:1B by volume, and the rubbers cure in 24 hours to an ultimate Shore hardness of either Shore 48A or 60A.



Cured rubber is dimensionally stable (low shrinkage), offers good wear resistance and will render color accurate concrete castings.

PMC™ Series

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

PMC™-121/50
Large architectural mold.

PMC™-121/30 Wet or Dry 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 higher Shore Hardness *(50A durometer)*.

Aura Ceramics of Easton, PA used PMC™-121/50 to create detailed plaster reproductions of tiki dolls.

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.

Beeskep II uses PMC™- 744 for their candlemaking business. The case molds above are strong, durable and dimensionally stable, yielding predictable results with each use.

PMC™ -121/30 Dry 30A Durometer
- 30 minute pot life
- 16 hour demold time

PMC™ -121/30 Wet 30A Durometer
- 30 minute pot life
- 16 hour demold time

PMC™ -121/50 Wet 50A Durometer
- 30 minute pot life
- 16 hour demold time

PMC™ -744 44A Durometer
- 15 minute pot life
- 16 hour demold time

PMC™ -746 60A Durometer
- 15 minute pot life
- 16 hour demold time

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 for architectural restoration and resin casting.

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

PMC™ Series

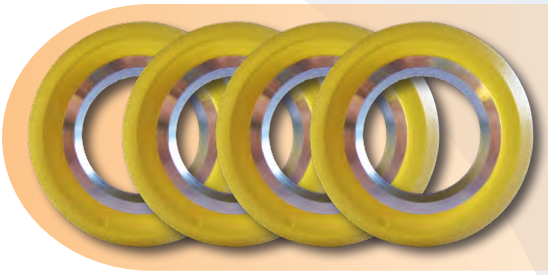
PMC™-770, 780 & 790

The **PMC™** line of hard urethane rubbers is used for an endless variety of industrial casting applications. Available in Shore 70A, 80A and 90A durometers, they are dimensionally stable and feature exceptional physical properties, including high impact resistance and tensile strength.

These rubbers 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 concrete and making ball mill liners.

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 to stamp concrete indoors or out to beautify courtyards, pool decks, driveways, stairways, patios and more.

PMC™ 790 is used for this tough and abrasion resistant stamping pad that makes beautiful european fan designs in concrete.



PMC™-780 is used to create wear resistant bushings.

Compat™ 45

Non-Inhibiting Urethane Rubber

Compat™ 45 is a unique urethane rubber which **will not inhibit the cure of most Smooth-On platinum or tin cure silicone rubbers**. It has a mix ratio of 1A:1B by volume (85A:100B by weight), a low viscosity for easy mixing and pouring and cures with minimal bubble entrapment. Cured rubber is dimensionally stable (low shrinkage), offers good wear resistance and an excellent library life.

Compat™ 45 can be used for a variety of applications including making molds to cast silicone prop body parts, animatronic skins and medical trainers; as well as for making rubber masters which can be molded using platinum or tin silicone without inhibition concerns.

Important: Do not use Ecoflex™ Gel, Ecoflex™ 00-10, Ecoflex™ Near Clear, Encapso-K, Rubber Glass™, Solaris™ or Sorta-Clear™ 12 or 37 with this product. They are not compatible and inhibition will result.

Econ™ 60 & 80

Econ™ 60 & 80 are lower cost rubbers compared to our popular **PMC™ Series**. They are mixed 1A:1B by volume, possess a relatively low viscosity, no odor, and cure quickly. They do have lower physical properties compared to the **PMC™ Series** rubbers, but are suitable for many industrial applications, including making highly impact resistant prototype parts, fast concrete stamping pads and fast pour-in-place gaskets for equipment.

Econ™ 60 & 80 are both good choices for making economical concrete stamping pads.

PMC™-770 70A Durometer
- 30 minute pot life
- 16 hour demold time

PMC™-780 DRY 80A Durometer
- 25 minute pot life
- 48 hour demold time

PMC™-780 WET 80A Durometer
- 25 minute pot life
- 48 hour demold time

PMC™-790 90A Durometer
- 20 minute pot life
- 48 hour demold time

Compat™ 45 45A Durometer
- 25 minute pot life
- 16 hour demold time

Econ™ 60 60A Durometer
- 6 minute pot life
- 4 hour demold time

Econ™ 80 80A Durometer
- 13 minute pot life
- 6 hour demold time

Learn more at: www.smooth-on.com

Brush-On™ Series

Ideal for Vertical or Inverted Surfaces

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.

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 materials.

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.

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

Brush-On™ 50 was center stage during Chicago's Garfield Park Field House restoration. 17' x 11' GFRC dome panels were cast from the molds below.

Brush-On™ 35 35A Durometer
- 20 minute pot life
- 16 hour demold time

Brush-On™ 40 40A Durometer
- 20 minute pot life
- 16 hour demold time

Brush-On™ 50 50A Durometer
- 20 minute pot life
- 16 hour demold time

Brush-On™ 60 60A Durometer
- 20 minute pot life
- 16 hour demold time

EZ-Mix™ 40 40A Durometer
- 18 minute pot life
- 16 hour demold time

Brush-On™ 60 was used to create the highly detailed mold for this boy scout statuette from Maslyn Studios.

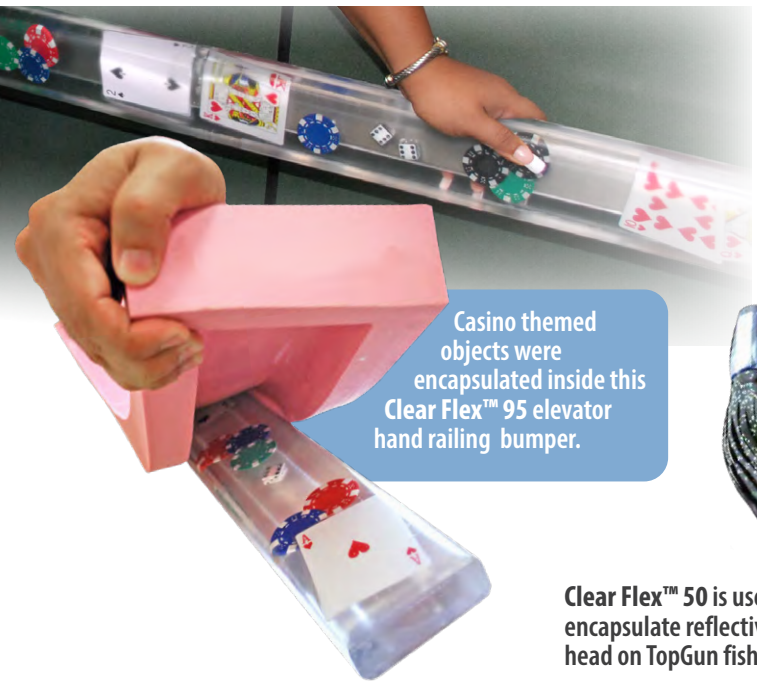
EZ-Mix™ 40

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.

Clear Flex™ Series

Water Clear, Flexible and UV Resistant

Clear Flex™ are tough rubbers that are water white 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. All are UV resistant and are easily color pigmented for a variety of effects.



Casino themed objects were encapsulated inside this Clear Flex™ 95 elevator hand railing bumper.

Clear Flex™ 50 is used to encapsulate reflective materials in a free-spinning head on TopGun fishing lures. Fish cannot resist!

Clear Flex™ 30 is a product that is flexible, and does not contain mercury or phthalates.

Clear Flex™ 30 30A Durometer
- 15 minute pot life
- 16 hour demold time
- MERCURY FREE

Clear Flex™ 50 50A Durometer
- 25 minute pot life
- 16 hour demold time

Clear Flex™ 95 95A Durometer
- 25 minute pot life
- 16 hour demold time

FMC™ Polysulfide

Time Tested FMC™ Polysulfide

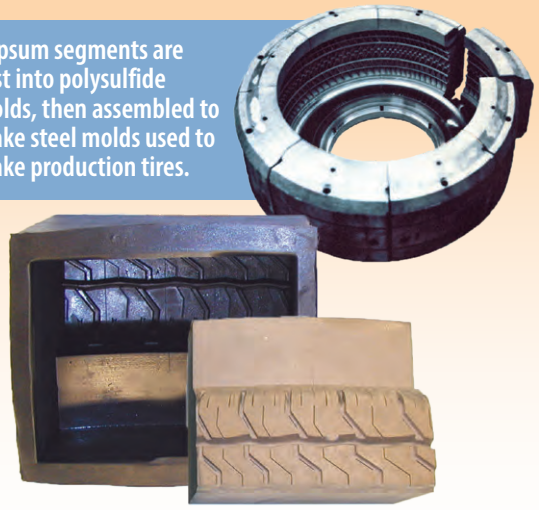
Used by artists and industry for over 70 years, **FMC™** Polysulfide rubbers are soft and very strong, perfect for making molds of originals with deep undercuts. They can be applied to wet models or sulfur based clays without inhibition. Molds last for years in your mold library.

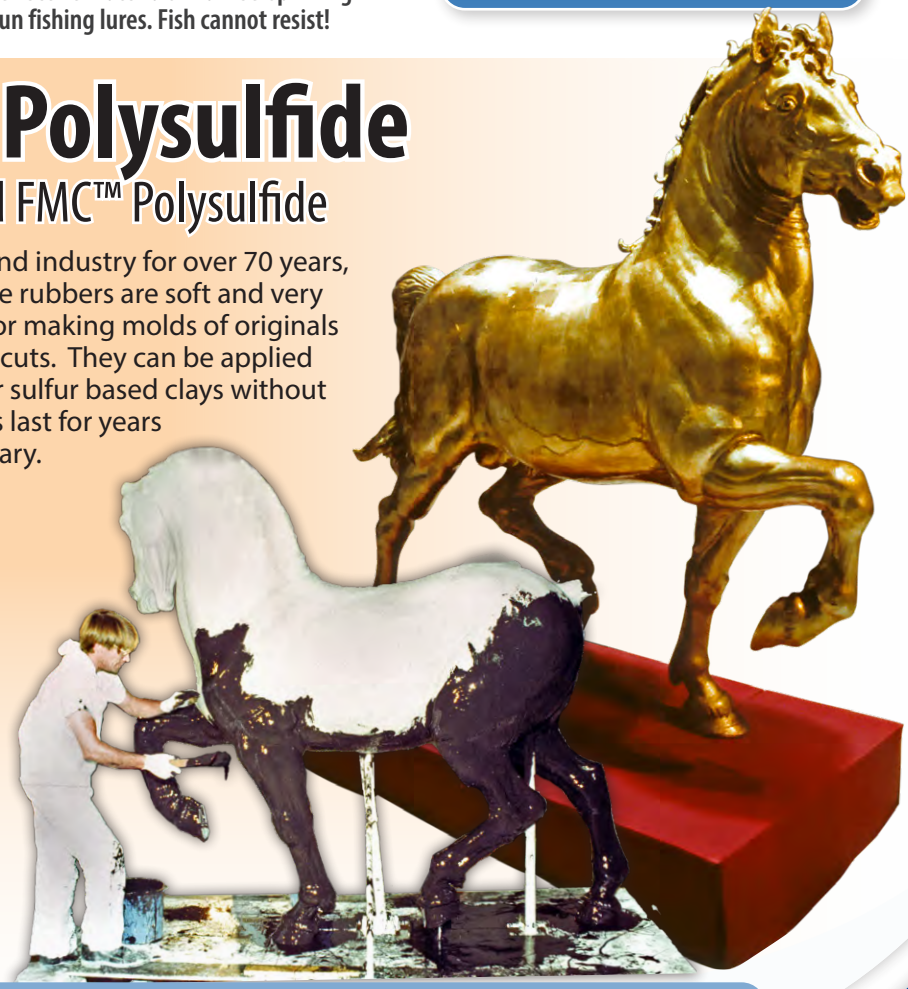
FMC™ 200 20A Durometer
- 50 minute pot life
- 16 hour demold time

FMC™ 201 15A Durometer
- 50 minute pot life
- 16 hour demold time

FMC™ 205 12A Durometer
- 90 minute pot life
- 16 hour demold time

Gypsum segments are cast into polysulfide molds, then assembled to make steel molds used to make production tires.





FMC™ rubber was used to mold an 8 ft. (2.4 m) clay model of a horse based on Leonardo DaVinci's drawings and chronicled in National Geographic Magazine.

Learn more at: www.smooth-on.com

Smooth-Cast™ Series

General Purpose Casting Resins

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 1A:1B by volume mix ratio. 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.

Production Ready

Fast-Setting, Durable,and Perfectly Detailed

Easy to Paint & Finish

Smooth-Cast™ 300Q
- 30 second pot life
- 4 - 5 minute demold time

Smooth-Cast™ 300
- 3 minute pot life
- 10 minute demold time

Smooth-Cast™ 305
- 7 minute pot life
- 30 minute demold time

Smooth-Cast™ 310
- 15 - 20 minute pot life
- 3 - 4 hour demold time

Smooth-Cast™ 320
- 3 minute pot life
- 10 minute demold time

Smooth-Cast™ 321
- 7 - 9 minute pot life
- 30 minute demold time

Smooth-Cast™ 322
- 10 - 20 minute pot life
- 2 - 4 hour demold time

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™**, **UVO™** or **Ignite™** colorants.

Smooth-Cast™ 320 Series resins also readily accept fillers (such as URE-FIL™ 3, 5, 7, 15, 17 and 19). 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.).

Perfectly Detailed

Smooth-Cast™ 320 Bear Skull

Woodgrain Effect Created Using Smooth Cast 320™ with URE-FIL™ 5 and SO-Strong™ Brown

Learn more at: www.smooth-on.com

Smooth-Cast™ Series

General Purpose Casting Resins

Smooth-Cast™ 325 Series - ColorMatch™

Smooth-Cast™ ColorMatch™ plastics are urethane 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 to be "color neutral." Small amounts of **SO-Strong™**, **UVO™** or **Ignite™** colorants 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 powders.

EASIEST TO COLOR

Smooth-Cast™ 325
- 2.5 minute pot life
- 10 minute demold time

Smooth-Cast™ 326
- 7 - 9 minute pot life
- 60 minute demold time

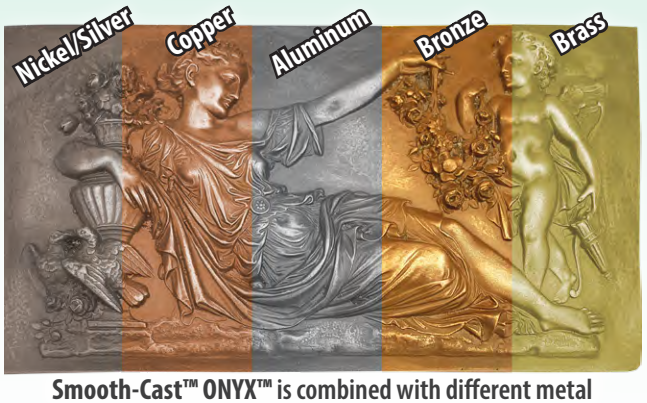
Smooth-Cast™ 327
- 10 - 20 minute pot life
- 2 - 4 hour demold time

Smooth-Cast™ ONYX™ - Deep Black

Smooth-Cast™ ONYX™ is a mercury-free urethane resins that cure 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 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™ FAST
- 2.5 minute pot life
- 10 - 15 minute demold time

Smooth-Cast™ ONYX™ SLOW
- 5 minute pot life
- 90 minute demold time



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

Learn more at: www.smooth-on.com

Smooth-Cast™ Series

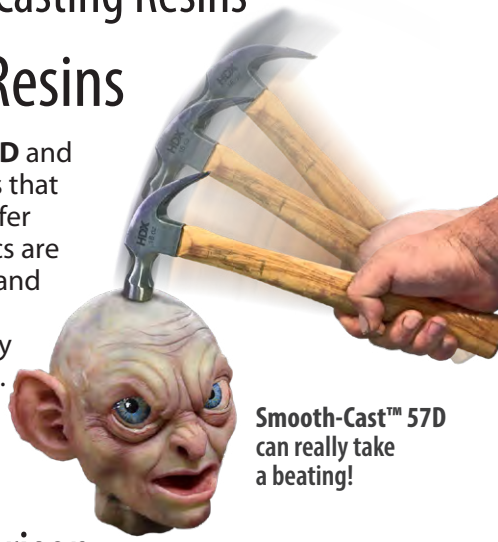
General Purpose Casting Resins

Smooth-Cast™ semi-rigid resins are available in different hardnesses.

Smooth-Cast™ Semi-Rigid Resins

Smooth-Cast™ 45D, 57D, 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™**, **UVO™** or **Ignite™** colorants.

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™ 57D can really take a beating!

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

45D	57D, 60D & 61D	65D & 66D	70D (for comparison)
Softer, Bendable	Some Flexibility	Semi-Rigid	Rigid, Not Flexible

Smooth-Cast™ 45D
- 5 minute pot life
- 30 minute demold time

Smooth-Cast™ 57D
- 3 minute pot life
- 30 minute demold time

Smooth-Cast™ 60D
- 5 minute pot life
- 30 minute demold time

Smooth-Cast™ 61D
- 7 minute pot life
- 60 minute demold time

Smooth-Cast™ 65D
- 2.5 minute pot life
- 10-15 minute demold time

Smooth-Cast™ 66D
- 7 minute pot life
- 60 minute demold time

Smooth-Cast™ 65D

Smooth-Cast™ 65D 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.

Smooth-Cast™ 65D boulders weigh less than 8 lbs / 3.6 kg!

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

Smooth-Cast™ Series

General Purpose Casting Resins

Polyurethane Plastic

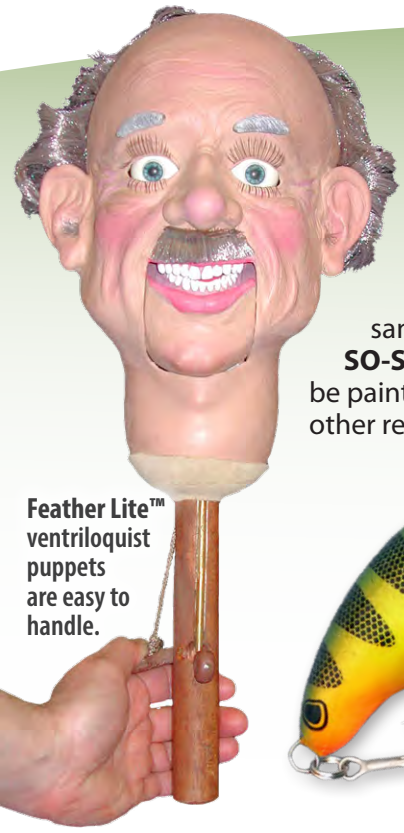
Smooth-Cast™ 380 tool used to cast a electronics utility housing.

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. Tooling resins are ideal for making industrial parts, foundry patterns, vacuum forming molds, and some ceramic applications.

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

Rigid **Smooth-Cast™ 385** Propeller Model



Feather Lite™ ventriloquist puppets are easy to handle.

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™** and **UVO™** colorants and finished castings can be painted. **Feather Lite™** yields more plastic per pound/kg. than other resins, lowering the cost per casting.

Feather Lite™ fishing lures that float!

6 ft (1.8 m) long **Feather Lite™** flying fish on display at the Atlantic City Convention Center.

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 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.

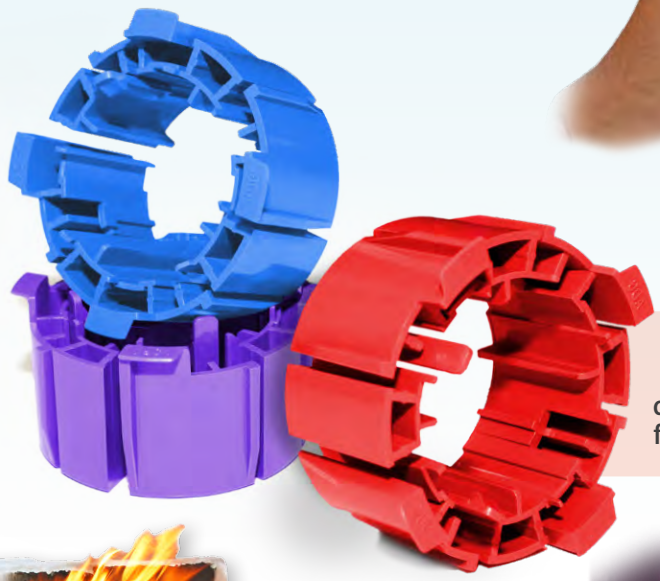
TASK™ 7 Flame Out™ - Low viscosity, fast set resin that meets UL 94 V-O requirements for flame resistance.

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.

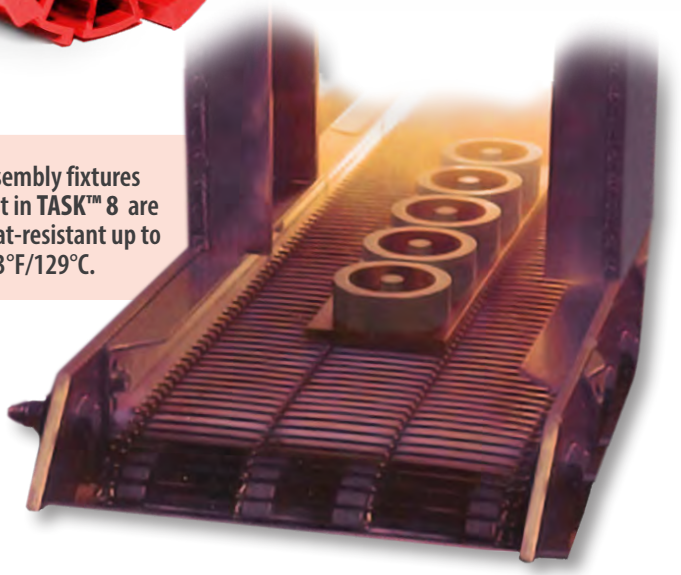
TASK™ 4 has been a regular fixture of prototype shops around the world for over 50 years, helping bring design concepts to market.

TASK™ 2 was used to create prototype oversized remote controls used for consumer testing prior to final production.



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

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

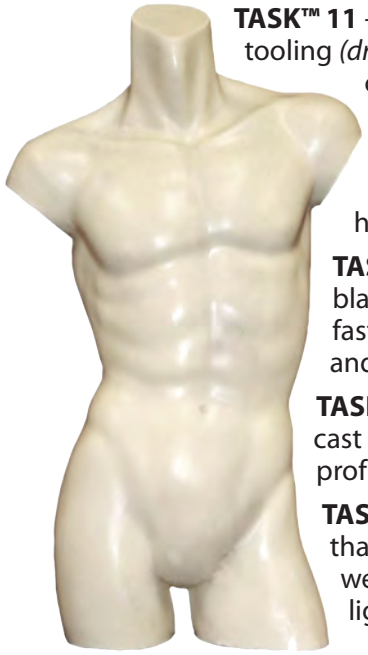


Assembly fixtures cast in **TASK™ 8** are heat-resistant up to 263°F/129°C.

Learn more at: www.smooth-on.com

TASK™ Series

High Performance Casting Resins



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

TASK™ 12 - Semi-rigid urethane tooling resin that offers extraordinary handling strength and impact resistance. Used for a variety of industrial applications including making prototype models, high impact parts and tools.

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

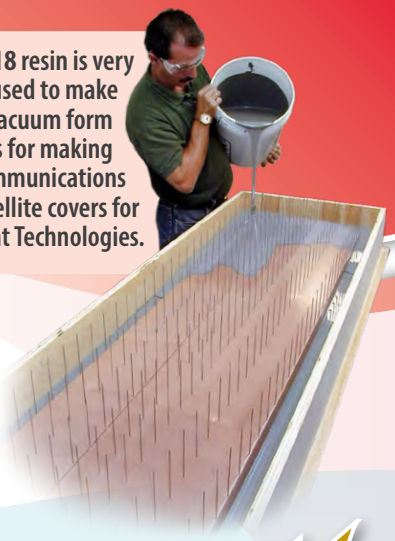
TASK™ 15 - Exhibits exceptional impact strength when cast in thin-wall sections. **TASK™ 15** features a gradual cure profile, making it ideal for rotational casting applications.

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

TASK™ 18 - 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.

Highly impact resistant TASK™ 15 is used for rotational casting mannequin bodies that are durable, hollow and can take a beating.



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

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

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

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

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

HIGHER Performance

TASK™ 2 & 3
- High strength, low viscosity

TASK™ 4
- Very strong in thin-walled sections

TASK™ 5 & 6
- Lowest cost performance plastics anywhere

TASK™ 7
- UL 94 V-0 Flame rated - fire resistant

TASK™ 8
- High heat resistant urethane plastic

TASK™ 9
- COLORMATCH™ neutral amber for color matching and pigmenting

TASK™ 11 (Formerly C-1509)
- Semi-rigid resin - good for dry food contact

TASK™ 13 & 14 (Formerly C-1515, C-1520)
- Black semi-rigid urethane casting resins

TASK™ 15
- Ideal for machine rotocasting
- High impact resistance

TASK™ 16
- Fast-setting semi-rigid resin
- High impact & abrasion resistance

TASK™ 18 (Formerly C-1508)
- Aluminum filled mass casting resin

TASK™ 21
- High compressive and flexural
- strength - compares to ABS plastic

Learn more at: www.smooth-on.com

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™**, **UVO™** or **Ignite™** colorants.

Crystal Clear™ 200
- 16 hour cure time
- 1/2" - 3" (0.16 cm - 1.25 cm) thick

Crystal Clear™ 202
- 90 minute cure time
- 1/16" - 1/2" (1.25 cm - 7.5 cm) thick

Crystal Clear™ 204
- 48 hour cure time
- 3" - 6" (7.5 cm - 15.25 cm) thick

Crystal Clear™ 206
- 7 day cure time
- Greater than 6" (15.25 cm) thick

Crystal Clear™ 220
- MUST BE HEAT CURED
- Harder - easier to polish

Crystal Clear™ 222
- Mercury Free
- MUST BE PRESSURE CAST
- MUST BE POST CURED

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

Highly detailed David bust 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

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.

Learn more at: www.smooth-on.com

KX Flex™

Fast Setting Urethane Casting Elastomers

KX Flex™ 60 and 90 urethanes are fast setting two-component systems that cure quickly to semi-rigid plastics that are very tough and impact resistant. Cured plastic is off-white when cured and these products are very easy to color using **SO-Strong™**, **UVO™** or **IGNITE™** colorants.

KX Flex™ 60 60A durometer
- 2.5 minute pot life
- 20 minute handling

KX Flex™ 90 90A durometer
- 2.5 minute pot life
- 20 minute handling

Make It Fast – Make It Tough: They are used for a variety of applications including making fast-cure molds, fast model duplication, prototypes, durable miniatures, props and special effects.

Simpact™ Ultra Tough

Simpact™ 60A, 80A & 85A are low odor, fast-setting urethanes that offer very high tear strength, impact resistance and wear resistance. They are phthalate-free, mercury-free and MOCA-free. Cured urethanes have exceptional performance characteristics and dimensional stability. **Simpact™ 60A, 80A & 85A** can be colored with **SO-Strong™**, **UVO™** or **Ignite™** colorants. They are suitable for making impact resistant props, prototypes and display pieces.

Simpact™ urethanes are on the border between being a rubber and a plastic. This attributes to their toughness and durability, and makes them a favorite among aquarium customers.

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 holds a vertical surface without sagging for making lightweight mother molds.

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 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.

Shell Shock™ Fast
- 3 minute pot life
- Full cure 1 hour

Shell Shock™ Slow
- 8 minute pot life
- Full cure 5 hours

Shell Shock™ rigid molds are used to create film-quality silicone masks.

Learn more at: www.smooth-on.com

FOAM-iT!™ Series

FOAM-iT!™ expanding foams are easy to use and cure ***rigid*** and ***strong***. They can be used as a ***lightweight*** casting material, backfill material for encapsulation or to make hollow castings. You can color them with **SO-Strong™, UVO™** or **Ignite™** colorants for a variety of art/craft, industrial or special effects applications.

FOAM-iT!™ 5 and Cast Magic™ Bronzonker™ powder produces a finished lightweight casting in a matter of minutes for a custom look.

Cast custom block of FOAM-iT™ 8 is used as a machinable modeling board.

8 fluid ounces (237ml) of liquid material was poured for each foam example displaying the volumetric rate of expansion.

	Expansion Rate	Pot Life
FOAM-iT!™ 3	18 Times	1 minute
FOAM-iT!™ 4	14 Times	1.5 minute
FOAM-iT!™ 4 Black	14 Times	1.5 minute
FOAM-iT!™ 5	10 Times	1.5 minute
FOAM-iT!™ 8	8 Times	1.5 minute

	Expansion Rate	Pot Life
FOAM-iT!™ 10	6 Times	1.5 minute
FOAM-iT!™ 10 SLOW	6 Times	3.5 minute
FOAM-iT!™ 15	4 Times	1.5 minute
FOAM-iT!™ 26	2 Times	1.5 minute

FlexFoam-iT!™ Series

FlexFoam-iT!™ expanding foams cure ***flexible*** and ***durable***. They are ***lightweight***, versatile and easy to use. They can be used for padding/cushion material, gasket material, or to make props and special effects. Vibrant colors can be achieved by adding color pigments.

Incredibly realistic cinder blocks created using FlexFoam-iT!™ X and SO-Strong™ tints.

FlexFoam-iT!™ 25

FLAME RATED! FlexFoam-iT!™ 23 FR

FlexFoam-iT!™17

TUFF STUFF! FlexFoam-iT!™ 15

FlexFoam-iT!™ 14

FlexFoam-iT!™ X

PILLOW SOFT! FlexFoam-iT!™ VIII

FLAME RATED! FlexFoam-iT!™ 7 FR

PILLOW SOFT! FlexFoam-iT!™ 6

FlexFoam-iT!™ V

TUFF STUFF! FlexFoam-iT!™ IV

FlexFoam-iT!™ III

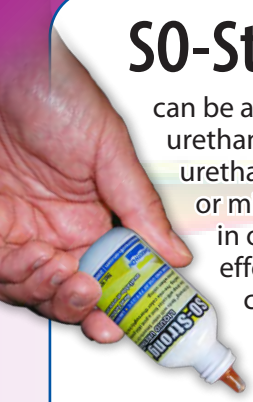
FlexFoam-iT!™ is used for realistic and lightweight cosplay props.

Need a Silicone Foam? Find Soma Foama™ on pg. 9!

	Expansion Rate	Pot Life		Expansion Rate	Pot Life
FlexFoam-iT!™ 3	15 Times	35 second	FlexFoam-iT!™ X	6 Times	50 second
FlexFoam-iT!™ IV	13 Times	30 second	FlexFoam-iT!™ 14	4 Times	60 second
FlexFoam-iT!™ V	11 Times	50 second	FlexFoam-iT!™ 15	4 Times	2 minute
FlexFoam-iT!™ 6	10 Times	35 second	FlexFoam-iT!™ 17	3.5 Times	60 second
FlexFoam-iT!™ 7FR	8 Times	35 second	FlexFoam-iT!™ 23FR	2 Times	90 second
FlexFoam-iT!™ VIII	7 Times	35 second	FlexFoam-iT!™ 25	2 Times	90 second

SO-Strong™ Colorants

can be added to any Smooth-On liquid urethane rubber, urethane plastic or urethane foam. Choose from 12 colors or mix them to create custom colors in order to produce the desired effect for your castings. **SO-Strong™** colorants can be combined with Metal powders, **URE-FIL™** fillers, or **Cast Magic™** powders to create amazing effects.



Castings Stay Translucent!

Blue	Yellow	Green	Orange	Purple	Red
PMS 300C	PMS 102C	PMS 336C	PMS 021C	PMS 2603C	PMS 200C

Light Flesh	Medium Flesh	Dark Flesh	White	Brown	Black
PMS 148C	PMS 479C	PMS 469C	PMS WhiteC	PMS 483C	PMS BlackC

Note: Pantone values are approximate.

Available in a 9-pack Color Sampler.

UV RESISTANT PIGMENTS

Pigments That Resist Ultra Violet Light

UVO™ Colorants

are highly concentrated; offering excellent dispersion and consistent color. A very small amount will color a large amount of liquid epoxy or urethane.

Available in a 9-pack Color Sampler.

Ignite™ Fluorescent Pigments

Ignite™ pigments make castings come alive. The fluorescent or "glow" effect is maximized under black light.

Magenta Orange White
Green Purple Pink
Yellow Red Blue

Available in a 9-pack Color Sampler.

Learn more at: www.smooth-on.com

CASTING FX

UreCoat™ Indestructable Urethane Rubber Coating

Bonds To Many Surfaces Creating A Tough, Long Lasting, Flexible Coating!
Urethane Rubber • Latex Rubber • Metal • Resins • Foams • Wood • Fabrics etc...

Cured **UreCoat™** will bend and flex with any substrate.

UreCoat™ is a two-component liquid urethane that can be applied in thin layers to surfaces with a brush. A small amount goes a long way. Rubber cures to a ***strong***, ***tough*** and ***flexible*** coating that will bend and flex with any substrate.

Coating can be colored for unique painting effects.

UreCoat™ Matting Powder System

Eliminates surface gloss/shine permanently because it is a coating created using **UreCoat™** that you can brush on or spray onto surfaces. It is a little complicated to use and involves first mixing solvent (acetone or alcohol) with matting powder. Next, mix **UreCoat™** (A+B) in the proper proportions in a separate container. Finally, combine all components and mix thoroughly.

Metal Powders For Cold Casting

"Cold-Casting" is a term used to describe the process of mixing metal powder with a resin and applying the mixture into a mold. **Metal Powder** + Resin produces a finished casting that gives the appearance and feel of solid metal at a fraction of the cost of real metal.

Cast Magic™ Powders

Cast Magic™ Powders are the fastest way to make metal and glitter effects. Create spectacular casting effects in a matter of minutes!

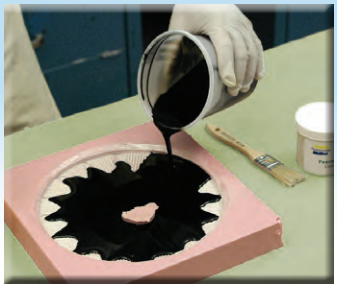
Cast Magic™ Powders Combined With So-Strong™ or UVO™ Colorants Can Create Dazzling Effects!

Create different color effects with each Cast Magic™!

Smooth Cast™ ONYX™ | Smooth Cast™ 300

- Blueberry Pie
- Boysenberry
- Bronzonker
- Cherry Fizz
- Copper Tone
- Fish Scale Gold
- Flamus Red
- Gold Finger
- Gold Rush
- Grape Soda
- Magenta Pop
- Marshmallow Cream
- Metallic Green
- Mustard Shimmer
- Pearly Blue
- Pearly Green
- Pig Iron
- Red Devil
- Silver Bullet
- Silver Ghost
- Steel Blue
- Teal Dream

Cast Magic™ Pig Iron and Smooth-Cast™ ONYX™ resin are used to create a luster and shine similar to real metal.



Learn more at: www.smooth-on.com

Fillers & Additives

Quarry Tone™ Granite FX Filler Powders

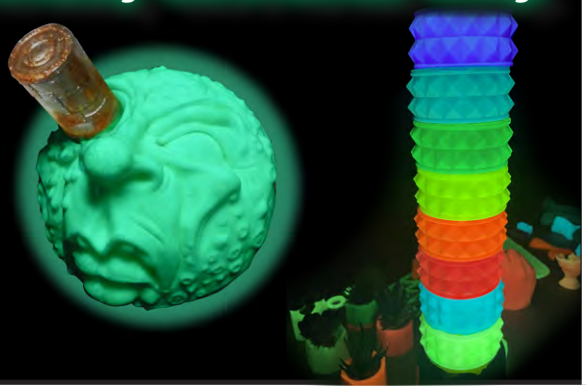
Specially blended powders that can be added to some Smooth-Cast™ liquid plastics or liquid rubbers to create realistic stone effects in finished castings. There are 10 granite effect powders to choose from, each with its own particle size and color. **Quarry Tone™ Powders** are the fastest way to create realistic granite and stone effects in minutes!

GLOW Worm®

PHOSPHORESCENT POWDERS AVAILABLE IN:
Purple Passion, Blue/Green, Mint Green, Electric Yellow, Creamsicle, Flamingo Pink, Bold Blue & Yellow/Green

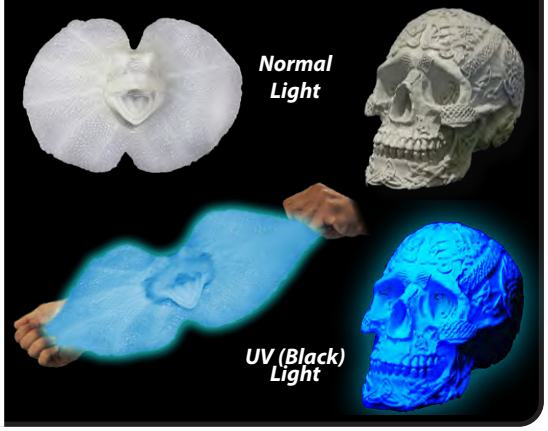
Phosphorescent Powders for Making "Glow In The Dark" Castings

Glow Worm™ powders can be added to Smooth-On liquid plastics, rubbers and foams to create castings that glow in the dark after being charged with light. **Glow Worm™** powders will glow in the dark at least 10 times longer than other glow powders.



Cryptolyte™ UV Glow Additive

Cryptolyte™ causes castings to glow bright blue under a focused ultra violet light.



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

Kick-iT!™ Designed to accelerate the cure time of liquid urethane rubber products.

SO-FLEX™ II Softening agent that lowers the cured durometer of Smooth-On urethane rubbers.

SO-CURE™ Accelerates the cure time of liquid urethane plastic products to allow for faster demolding of castings.

Sun Devil™ Slows color change and physical degradation due to UV exposure of many Smooth-On urethane products.

Learn more at: www.smooth-on.com

Fillers & Additives

URE-FIL™ fillers disperse easily in Smooth-On materials. Some fillers are designed for cost-savings, others are designed for specific casting effects or improved physical properties.

URE-FIL™ 3 is added to reduce cost.

URE-FIL™ 15 is added to reduce weight.

URE-FIL™ 5 is added to resin to produce wood effects.

URE-FIL™ 7 is added to resin to produce amazing marble 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.

URE-FIL™ 17 are small grain aluminum pellets (400 micron). Smaller grain pellets will settle into areas of detail better, reducing voids between particles.

URE-FIL™ 19 are pure aluminum pellet fillers (1200 micron) used with liquid epoxy and urethane resins to improve thermal conductivity, dimensional stability, reduce shrinkage in large mass castings, etc.

URE-FIL™ 19 large grain aluminum pellets are used to make resin jewelry.

Laminating & Surface Coat Epoxies

EpoxAmite™ Series
Laminating System

The **EpoxAmite™** Epoxy Laminating System is an easy-to-use liquid epoxy system formulated for a wide variety of fabrication applications. The **EpoxAmite™** 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.

The **EpoxAmite™** Epoxy 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™** can also be mixed with fillers such as **URE-FIL™ 9** for gel coat applications. **URE-FIL™ 3**, **URE-FIL™ 7** and other fillers can be added for fairing, filleting or bonding applications.

EpoxAmite™ 101 Fast
- 11 minute pot life
- 6-8 hour demold time

EpoxAmite™ 102 Medium
- 22 minute pot life
- 10-15 hour demold time

EpoxAmite™ 103 Slow
- 55 minute pot life
- 24 hour demold time

EpoxAmite™ HT
- 60 minute pot life
- 24 hour demold time

EpoxAmite™ WHITE 101 Fast
- 20 minute pot life
- 10-15 hour demold time

EpoxAmite™ WHITE 102 Medium
- 62 minute pot life
- 20-24 hour demold time

EpoxAcoat™ RED
- 20 minute pot life
- 16 hour demold time

EpoxAcoat™ GREY
- 20 minute pot life
- 16 hour demold time

EpoxAcoat™ NEUTRAL
- 20 minute pot life
- 16 hour demold time

EpoxAcoat™ WHITE
- 20 minute pot life
- 16 hours demold time

EpoxAcoat™ HT
- 40 minute pot life
- 24 hours demold time

EpoxAcoat™ Series
Surface Coat System

EpoxAcoat™ is a thixotropic epoxy gel coat that is widely used for hand laminating/tooling applications. It is a tough & 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.)*.

Ultratough **EpoxAcoat™ RED** tool is ready to make composite parts for motorcycles.

Learn more at: www.smooth-on.com

XTC-3D™

High Performance 3D Print Coating

XTC-3D™ is a protective coating for smoothing and finishing 3D printed parts. Coating self-levels and wets out uniformly without leaving brush strokes. **XTC-3D™** cures to a hard, impact resistant coating that can be sanded, primed and painted. It works with PLA, ABS, LayWOO, powder printed parts and other rigid media. **XTC-3D™** does not contain VOC's, phthalates or phosphates.

XTC-3D™ fills in striations and eliminates 90% of post finishing work.

EPSILON™ & Epsilon™ PRO

EPS Foam Coating Epoxy

EPSILON™ 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. **Epsilon™ PRO** is semi-rigid, offering better impact resistance.

Makes Foam Parts Re-usable

XTC-3D™
- 10 minute pot life
- 3.5 hour cure time

EPSILON™ w/ 101 Fast
- 15 minute pot life
- 16 hour cure time

EPSILON™ w/ 102 Medium
- 30 minute pot life
- 24 hour cure time

Epsilon™ PRO
- 22 minute pot life
- 16 hour cure time

Tarbender™
- 45 minute pot life
- 16 hour cure time

Tarbender™

High Gloss Coating and Encapsulant

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.

EpoxAcast™ Series

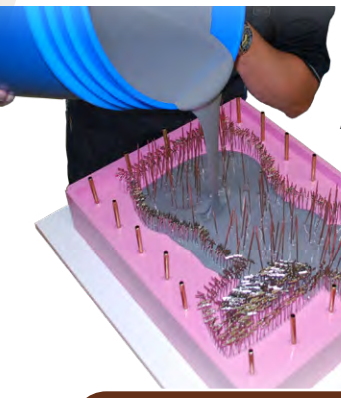
EpoxAcast™ 650 is used for encapsulating sensitive electronics.

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 Mineral Filled

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 cycle and enhance the performance of potted electronic devices. Available in off-white and black.

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 Aluminum Filled

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.

EpoxAcast™ 650 Fast
- 20 minute pot life
- 1 hour demold time

EpoxAcast™ 655 Fast
- 30 minute pot life
- 3 hour demold time

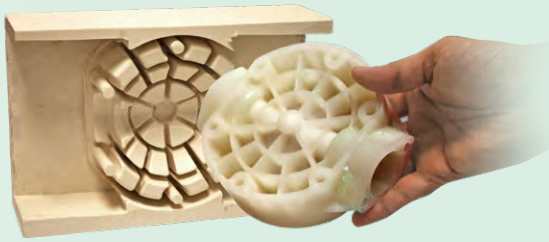
EpoxAcast™ 670 HT
- 3 hour pot life
- 24 hour demold time
- MUST BE HEAT CURED

EpoxAcast™ 690
- 5 hour pot life
- 24 hour demold time

EpoxAcast™ 692
- 12 hour pot life
- 72 hour demold time

EpoxAcast 670 HT High Temp

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.



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

EpoxAcast 690 & 692 Clear Castable Epoxy

A clear casting epoxy that is ideal for making clear jewelry/beads or replacement lenses for kit cars, etc. Color with with **UVO™** or **IGNITE™** colorants or add **Cast Magic™** powders for different effects. Also suitable for making prototype parts.

"River" table is created using EpoxAcast™ 692 for deep pour castings up to 2 inches.

EpoxAcast™ 690 is perfect for resin jewelry craft.

Learn more at: www.smooth-on.com

Free Form™ Habitat™

Black & Fire Safe Epoxy Putties

are mix-by-hand putties that are used to create textured and highly detailed display pieces. Both **Habitat™ Epoxy Putties** are solvent-free and contain no VOC's. They cure to a very hard, heat resistant material that is easily painted. **Habitat™ Epoxy Putties** are suitable for interior and exterior use. They are certified 'aquarium safe' and are used by aquariums to create hyper-realistic coral and other aquarium displays. **Habitat™ Epoxy Putties** are also used for general sculpting and theming applications. **Free Form™ Habitat™ Fire Safe™** is flame rated (**E84, Class A**).

Use with Habitat™ Folding Powder –
fold powder into epoxy putty to thicken and reduce stickiness; making the epoxy easier to handle. **Free Form™ Habitat™** is also an excellent repair cement and bonds permanently to itself, PVC, Plexiglas® (acrylic), wood, many metals, plastics and foams.

Once applied, **Habitat™ Epoxy Putty** can be stamped with a silicone rubber stamp to create patterns with intricate detail over a large surface area.

This automobile-sized iguana was created with **Free Form™ Habitat™ Fire Safe™** over a foam core by Stephen Kesler, TUSK Sculpture

Free Form™ Habitat™ Flex FR

Flame Rated Flexible Epoxy Putty

Free Form™ Habitat™ Flex FR is a semi-rigid version of the very rigid **Habitat™** products and has some flexibility when cured depending on thickness and configuration. This product is certified flame resistant to the highest testing standard (**E84, Class A**) and is the only semi-rigid epoxy of its kind to have this rating.

Free Form™ Habitat™ Black
- 60 minute pot life
- 16 hour demold time

Free Form™ Habitat™ Fire Safe™
- 90 minute pot life
- 16 hour demold time

Free Form™ Habitat™ Flex FR
- 90 minute pot life
- 24 hour demold time

Habitat Cast N Coat™
- 85 minute pot life
- 16 hour demold time

Habitat Cast N Coat™

Flame Rated Castable and Brushable Epoxy

is a heavily filled, pourable epoxy that can also be thickened with **Habitat™** Folding Powder for brushing or troweling onto vertical surfaces. It certifies to the highest flame rating (**E84, Class A**), making it especially suited for public space fabrication applications. Like other **Habitat™** epoxies, it is safe to be used in aquariums or in proximity to animals/reptiles (zoo fabrication). **Habitat Cast N Coat™** bonds to a variety of materials and can be applied as a fire rated, protective/decorative coating to a variety of surfaces including EPS foam. It cures to a durable plastic that can be machined, sanded, painted, etc.

Learn more at: www.smooth-on.com

Free Form™ AIR

Lightweight Epoxy Putty

Free Form™ AIR is 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 composites.

Free Form™ AIR HT is capable of withstanding 400°F / 204°C *(post cure required)* for use in laminating and tooling applications.

Free Form™ AIR Fire Safe was developed for theming companies that require fire rated materials for making public space theming elements. It certifies to the highest flame rating available (**E84, Class A**). It has a higher density overall and is a drier formulation that requires more effort to combine parts A and B.

Free Form™ AIR FAST cures in minutes to a hard, strong and extremely lightweight epoxy. Used at room temperature, working time is 6 minutes in a 60 gram mass (2 oz) and handling time is 30 minutes (tack-free, hard surface).

Free Form™ AIR FAST used to seam 3D printed helmet

Free Form™ AIR
- pot life varies by mass*
- 24 hour full cure

Free Form™ AIR Fire Safe
- pot life varies by mass*
- 24 hour full cure

Free Form™ AIR HT
- pot life varies by mass*
- 16 hour full cure

Free Form™ AIR FAST
- pot life varies by mass*
- 24 hour full cure

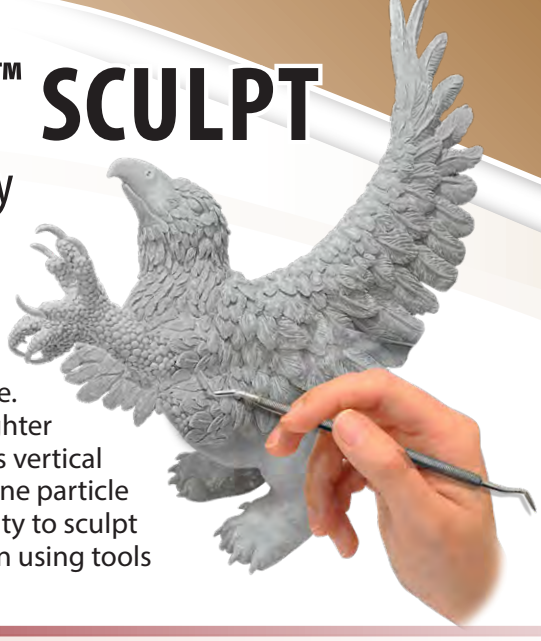
*See Technical Bulletin For More Information

The Mandalorian Helmet: DamaskProps 12/29/2019 - www.thingiverse.com/DamaskProps License: The Mandalorian Helmet by Damask Props is licensed under the Creative Commons - Attribution - Non-Commercial - No Derivatives license.

Learn more at: www.smooth-on.com

Free Form™ SCULPT

Epoxy Sculpting 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 effects to the surface of **Free Form™ SCULPT** epoxy putty easy.

Free Form™ SCULPT
- pot life varies by mass
- 24 hour full cure

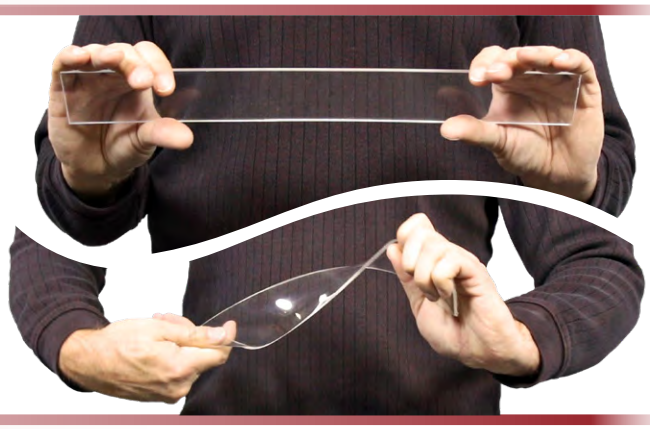
Plasti-Paste™ EPOXY
- 40 minute pot life
- 16 hour demold time

Plasti-Paste™ EPOXY

Fiber Filled Trowelable Epoxy

Designed for vertical surface application, **Plasti-Paste™ EPOXY** is fiber filled and can be used as a "mother mold" material to reinforce rubber molds. This resin is also a powerful adhesive and can be used as a repair material for a variety of industrial applications. Cured plastic can be sanded, machined and pigmented. **Plasti-Paste™ EPOXY** can be painted with acrylic enamel paints.

Flexer™ Epoxy Flexibilizer



Flexer™ Epoxy Flexibilizer is a clear, low viscosity liquid additive that will lower the durometer *(Shore hardness)* of some Smooth-On casting and laminating epoxies. When added to the epoxy system in the proper proportion, the cured epoxy will be softer and, in some cases, can be made semi-rigid. **Flexer™** will lower the viscosity of the epoxy system, improves wetting capability (for laminating) and filler load capacity.

Epic™ Epoxy Thinner

Epic™ Epoxy Thinner is a clear, water-like liquid that will lower the viscosity of Smooth-On casting and laminating epoxies. **Epic™** will also aid in reducing bubble entrapment.

Epic™ IS NOT A SOLVENT, is not hazardous and contains no VOC's or phthalates. Solvents that are commonly used to thin epoxies cause shrinkage. **Epic™** is 100% reactive fluid, does not evaporate and does not cause shrinkage.

Lowers the Viscosity of Epoxies for:
- **Laminating**
- **Casting**
- **Infusion**

E-POX-EE KLEENER™

E-POX-EE KLEENER™ is a unique industrial hand cleaner made especially for removing unreacted liquid epoxy, polyester, urethanes and other resins from the skin. It will also remove liquid paint, lacquer and grease.

Learn more at: www.smooth-on.com

Metalset™ A4 specified by all branches of the U.S. military.

Metalset™ A4
Metal-Filled Epoxy Adhesive

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. **Metalset™ A4** has been used for years by all branches of the U.S. Military.

Super Instant™ Rapid Epoxy Adhesive

A two component, clear amber adhesive designed to provide rapid bonding. Curing takes place quickly enough to permit handling in 5 to 10 minutes at room temperature. **Super Instant™** adheres to metals such as steel, aluminum and brass; and to wood, glass, masonry and many hard plastics.

Super Instant™ Epoxy is also available in 200ml cartridges.
See dispensing gun on page 50.

MT-13™ Premium Epoxy Adhesive

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™
Epoxy Adhesive and Laminating Resin

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.

EA-40™ is used worldwide for creating strong, flexible, and lasting custom bows.

PC-3™
Laboratory Tabletop Epoxy Adhesive

Black tabletop cement is a general purpose epoxy designed to permanently bond and caulk sections of laboratory tabletops.

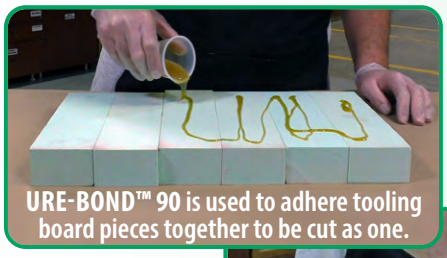
URE-BOND™ II
Flexible Urethane Adhesive

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 (such as plaster, wood, cement, stone) and non-porous materials (such as glass, hard plastics and a variety of metals).

Ure-BOND™ II is being used to repair a tear in a urethane mold.

URE-BOND™ 90
Urethane Adhesive

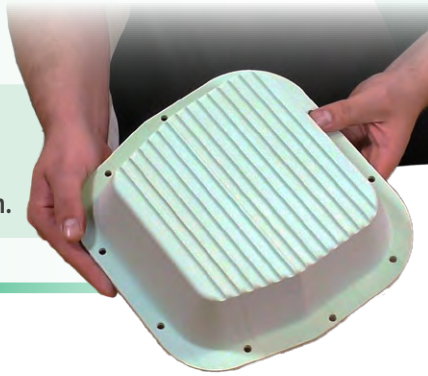
A two component, slightly expanding urethane adhesive that offers a strong, rigid bond between many different surfaces. It is often used to bond segments of tooling board as well as other porous and non-porous, rigid substrates.



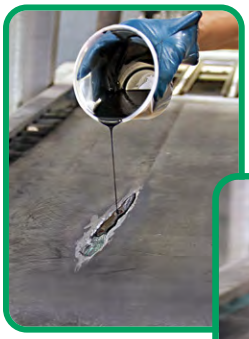
URE-BOND™ 90 is used to adhere tooling board pieces together to be cut as one.

A scraper is used to spread the material evenly.

URE-BOND™ 90 has allowed scrap pieces of tooling boards to be used to create an original model which has a smooth and precise finish.



Black Panther™ 85
Flexible Black Urethane Adhesive

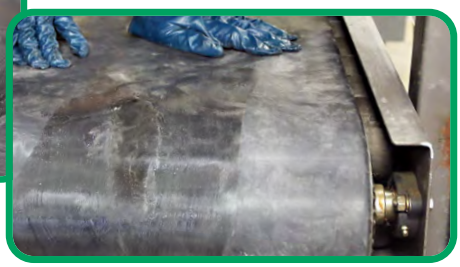


Black Panther™ 85 is mixed 1:1 by volume and is poured into the torn area.

A scraper is used to level Black Panther™ 85 over the torn area .

A two-component, fast curing liquid adhesive for repairing holes, tears and splits in steel / fabric corded rubber conveyor belts, providing high wear and abrasion resistance.

It also provides a strong, flexible bond between a variety of substrates including plaster, wood, cement, stone, glass, hard plastics and a variety of metals.



Material is left to cure for 2.5 hrs. and the belt is returned to service.

Sil-Poxy™
Silicone Adhesive

LAB TESTED SKIN SAFE CERTIFIED

Available in convenient single application size!

Sil-Poxy™ is a one-component adhesive made specifically for bonding tin or platinum cured silicone rubber to silicone rubber and other substrates.

EZ~Spray™ Silicone 20 & 22

1. EZ~Spray™ Silicone 20 is sprayed on the tool.

EZ~Spray™ Silicone 20 and 22 are platinum-cure silicones that cure quickly to a soft rubber with high elongation and tear strength. **EZ~Spray™ Silicone 20** can be sprayed through the **EZ~Spray™ Jr.** spray system. Both **EZ~Spray™ Silicone 20 and 22** can be sprayed through 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 vacuum bags for producing composite parts.

Perfect for Vacuum Bagging & Resin Infusion!

2. The cured bag is removed. Resin gel coat and glass are applied to the tool.

3. The bag is repositioned and resin is drawn in, saturating the glass.

4. The cured composite car seat is removed and ready for installation.

EZ~Brush™ Vac Bag
Brushable Version on page 11

EZ~Spray™ 35

EZ~Spray™ 35 silicone cures in one hour with negligible shrinkage to a durable mold rubber good for production casting resins, foams, plaster and other materials.

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

EZ~Spray™ Rigid & Flexible Foams

EZ~Spray™ Rigid and **Flexible Foams** are a polyurethane foam compound that can be conveniently sprayed using Smooth-On's **EZ~Spray™ Jr.** spray system.

EZ~Spray™ Foam cures quickly to a strong, lightweight and impact resistant 8 lb. (approx.) rigid foam.

EZ~Spray™ FlexFoam cures quickly to a strong, lightweight 7lb. (approx.) flexible foam.

Both can be painted and used for a variety of special effects and industrial applications.

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™ 45 Urethane Rubber and 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.

EZ~Spray™ Plastic used to create a mother mold/ support shell.

EZ~Spray™ Plastic can also be sprayed into the mold to create the finished piece.

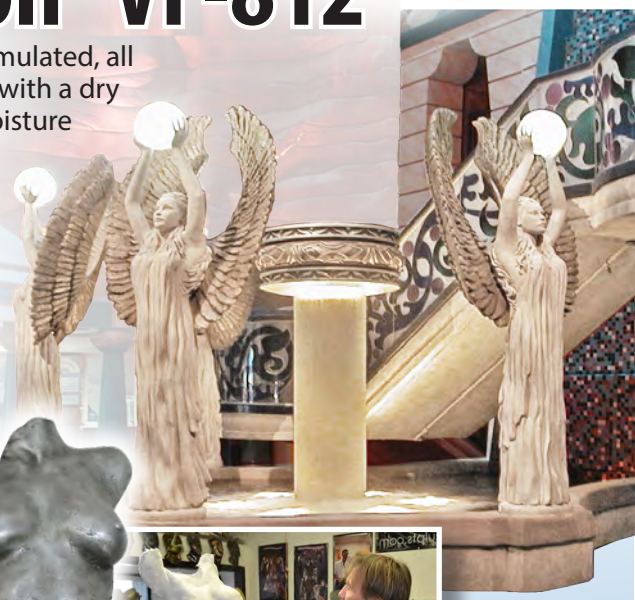
Learn more at: www.smooth-on.com

Polymer Modified Gypsum

FORTON

Forton™ VF-812

Forton™ VF-812 is a specially formulated, all acrylic co-polymer which cross-links with a dry melamine resin to make **Forton™ MG** moisture resistant and UV stable. **FMG™** is a unique combination of high-strength alpha hemihydrate 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 building materials.



Sculptor Clay Williams uses Forton™ MG and aluminum powder to quickly make lightweight, durable castings.

duoMatrix™-G

duoMatrix™-G is a polymer additive system for alpha gypsums that greatly enhances physical 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.

duoMatrix™-G is strong and lightweight.

duoMatrix™ NEO

An easy-to-use version of **duoMatrix™-G**, the dry components of **NEO** (Part A) are "pre-measured" for easy mixing with liquid latex (Part B). 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™ castings are weather resistant and durable.

Matrix Dryve™

Dry Polymer Modified Gypsum

Matrix Dryve™ is an "all-powder" alternative to our original **duoMatrix™ NEO** powder/liquid system. **Dryve™** is easy to use and can be cast solid, slush cast, rotationally cast, laid up by hand with chopped glass fiber or sprayed. Fully cured pieces are strong, water-resistant and can be painted, sanded, machined and more. **Dryve™** certifies to the highest flame rating (**ASTM E-84, Class A**), making it suitable for building materials.

Learn more at: www.smooth-on.com

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 MNL 128, Recommended Practice, Appendix L for curing admixtures used in GFRC. **Forton™ VF-774** also eliminates the 7-day wet cure required to achieve the maximum strengths of the GFRC matrix at 28 days.

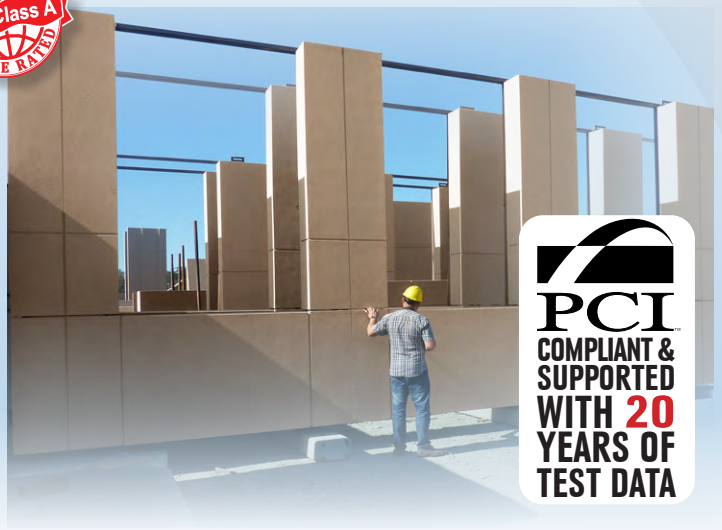
Forton™ VF-774 enhanced architectural elements created by Willis Construction for the Citrus Tower Corporate Plaza in Riverside, California.

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.

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

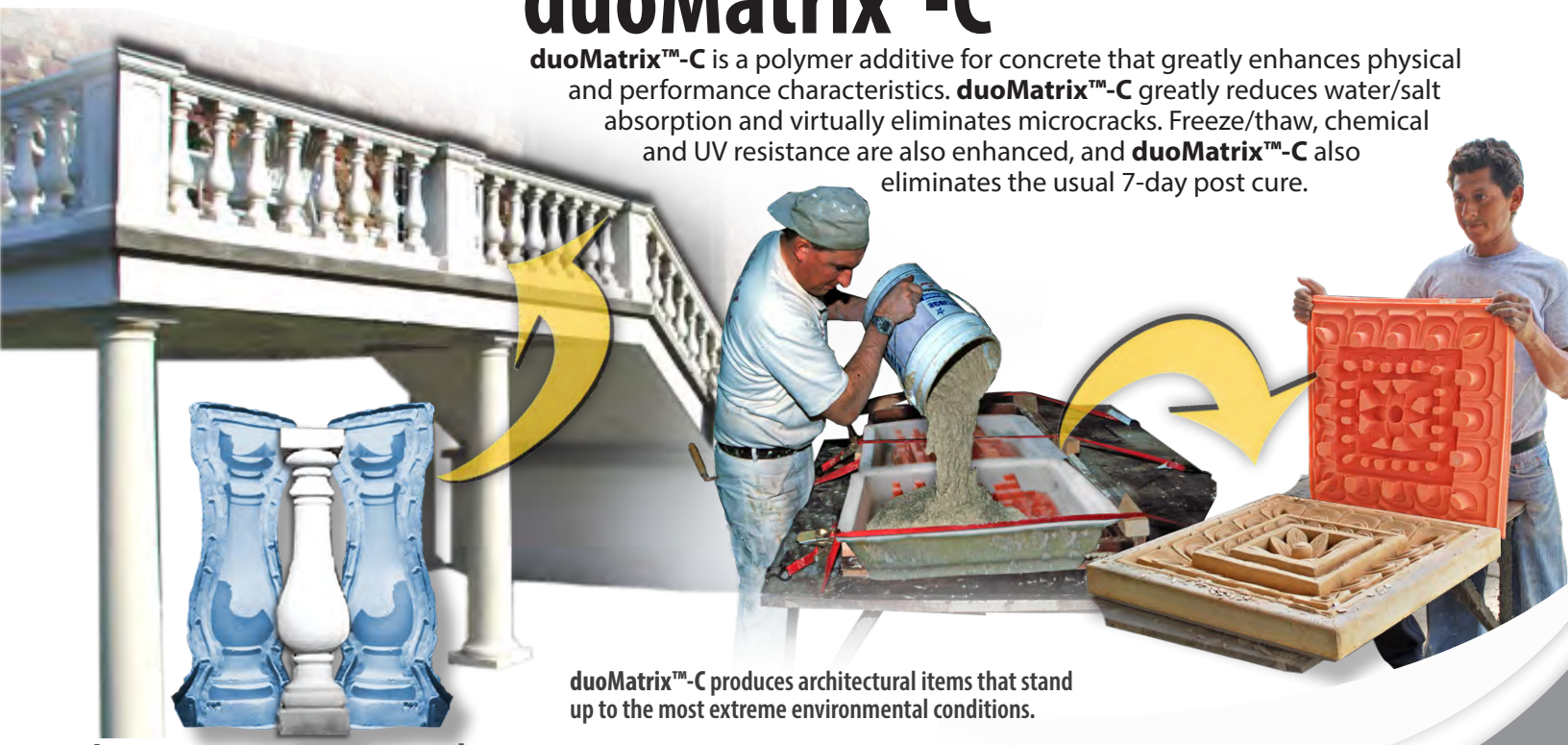
CERTIFIED E84 Class A FLAME RATED



PCI COMPLIANT & SUPPORTED WITH 20 YEARS OF TEST DATA

duoMatrix™-C

duoMatrix™-C is a polymer additive for concrete that greatly enhances physical and performance characteristics. **duoMatrix™-C** greatly reduces water/salt absorption and virtually eliminates microcracks. Freeze/thaw, chemical and UV resistance are also enhanced, and **duoMatrix™-C** also eliminates the usual 7-day post cure.

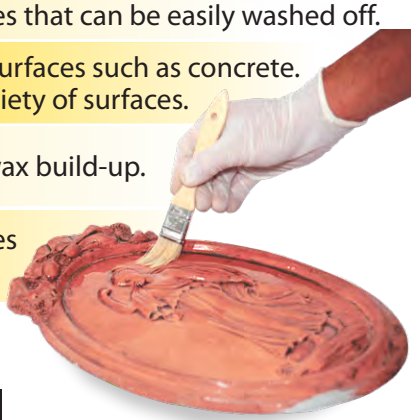


duoMatrix™-C produces architectural items that stand up to the most extreme environmental conditions.

Learn more at: www.smooth-on.com

Sealers

SuperSeal™ Liquid Sealer	Economical, low viscosity, fast-drying sealing agent for a variety of surfaces that can be easily washed off.
Sonite™ Wax	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.



Release Agents

Mann release agents cover many applications. Aerosol and non-aerosol, solvent based or water based; made especially for mold making and casting.

Ease Release™ 200	Releases silicone from silicone. Used with silicones, urethanes, & resins. A truly unique release agent.
Ease Release™ 300	Used with urethane elastomers & epoxy.
Ease Release™ 400	Used with EPDM, urethane & synthetic elastomers.
Ease Release™ 500	PTFE Teflon® based dry film mold release & dry lubricant.
Ease Release™ 700	Used with thermoplastics, melamine & polystyrene resins.
Ease Release™ 2300	Used with urethane elastomers & epoxy *(high viscosity)*.
Ease Release™ 2310	Solvent-based soap release for urethane elastomers.
Ease Release™ 2831	Wax based release for urethane foam.
Ease Release™ 2910	Heavy duty release for production casting of urethane elastomers.

In & Out™ II Concrete Release Agent

A water soluble release agent that aids in releasing concrete or gypsum plaster castings from Smooth-On rubber molds. **In & Out™ II** provides a clean, positive release and does not interfere with or affect surface detail and helps minimize air bubbles in finished castings.

AquaCon™ Concrete Release Agent

AquaCon™ is a water based concrete release agent that aids in releasing concrete castings from Smooth-On rubber molds and other surfaces such as melamine, metal and non-porous (sealed) wood. It provides a clean, positive release, does not interfere with color or surface detail and helps minimize bug holes and air bubbles in finished castings.

Using AquaCon™ | Without AquaCon™

Universal™ Mold Release

Made for mold making and casting with urethane rubber and plastic.

Kwikee™ Sprayer

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

Learn more at: www.smooth-on.com

Vacuum Chambers

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

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

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.**

Dispensing Guns

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

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 powder-based **Alja-Safe™** alginate and **Matrix™ NEO** with fiber better, and is easy to clean.

Reike Spout Valve Adapter Kit

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.

Mixing Containers

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.

Learn more at: www.smooth-on.com

Skin FX Kits & Accessories

Create Realistic On-Skin Effects Quickly & Easily

Used By Hollywood Pros

Ultimate Zombie Kit™

Includes Step-By-Step Guide

To learn more about creating on-skin Zombie effects and to watch video tutorials showing the process, please visit **www.smooth-on.com/zombiekit**

The #1 Choice of Medical Simulation & EMS Professionals Around The World

Ultimate Wound Kit™

Includes Step-By-Step Guide

To learn more about creating realistic on-skin wounds and to watch video tutorials showing the process, please visit **www.smooth-on.com/woundkit**

Ultimate Blood™ Kit

The most realistic and versatile liquid blood system available anywhere. It perfectly simulates human blood in how it looks and flows. **Ultimate Blood™** is ideal for creating special effects, medical training and simulation, moulage or any project in need of highest quality theatrical blood. You can also change the viscosity of **Ultimate Blood™** on the fly, and change color quickly with color additives.

Please visit **www.smooth-on.com/bloodkit** to learn more about creating realistic blood effects.

You have ultimate control with **Ultimate Blood™** make it thicker, thinner and change color.

To learn more about creating skin effects using our materials, visit our ever-expanding Special Effects Makeup Tutorial Playlist:
www.smooth-on.com/skinfx

Starter Kits

Starter Kits are a great way to introduce anyone to the world of mold making and casting! Print and online video instructions take you step-by-step through the process. Great for inventors, artists, candle makers, students, arts & crafts enthusiasts, and more!

POURABLE STARTER KIT:

The Pourable Silicone Starter Kit comes with everything you need to make your first one or two piece block mold. Step-by-step instructions will guide you through the process and best of all, the materials for making a mold in which rubber is poured over your small model are included in the kit.

Includes:
- Trial Kit **OOMOO™ 30** Molding Rubber
- Trial Kit **Smooth-Cast™ 300** Casting Resin
- 2 oz. **SuperSeal™** Sealing Agent
- **Ease Release™ 205** Release Agent
- Quick Start Guide

Includes A HOW-TO BOOKLET!

LIFECASTING STARTER KIT:

This kit includes everything you need to make a mold of a hand. Step-by-step instructions will guide you through the process making it easy and fun to make a lifecast of anyone's hand! In no time you will have a perfect lifecasting which will "freeze time" and create a long lasting memento.

Includes:
- **Alja-Safe™** Molding Gel
- Casting Plaster
- Quick Start Guide

BODY DOUBLE™ STANDARD SET STARTER KIT:

Body Double™ is a long lasting platinum-cure silicone rubber that can be applied directly to the skin to make molds of the face, hands and other body parts. The rubber cures quickly and will reproduce perfect detail from any original model – far better detail than any alginate! Starter Kit contains all supplies needed to make a mold and support shell of a moderately sized area of the body.

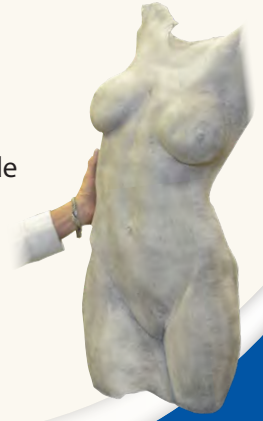
Includes:
- **Body Double™** Silicone
- 2 Rolls of 4" Width Bandages
- **Body Double™** Release Cream
- Mixing Sticks and Containers

FORTON™ MG STARTER KIT:

Polymer Additive System for Alpha Gypsums

Forton™ MG is a unique combination of high-strength alpha hemi-hydrate gypsum with water based polymer chemistry that is reinforced with "E" glass fiber. **Forton™ MG** can be used for restoration and replication of natural façade materials, architectural ornamentation, decorative arts casting, flower pots, cold cast metal elements and sculpture. **FMG** can be slush cast (hollow), hand laid-up, sprayed through the proper equipment or poured for solid casts.

Includes:
- 7 lbs VF-812
- 10 lbs FGR-95
- 1 lb Chopped E-Glass
- 1 lbs MF-415
- 22 grams Hardener



Learn more at: www.smooth-on.com

HOLDEN'S LATEX

Latex Know-How... For Over 80 Years.

VERTICAL APPLICATIONS

HX-974™ is applied in layers to make a mold of an owl statue.

Holden's Latex™ liquid latex mold making materials are good for a variety of applications, including: Ornamental Concrete, Brick Veneer, Stone Veneer, Candle Making, Mask Making and Architectural Restoration.

HX-80™ Brushable Mold Making Latex

is a vulcanizable, low viscosity latex featuring high wear resistance and low shrinkage for concrete casting. Best for making molds of 2-dimensional flat pieces for architectural or decorative objects.

HX-407™ Pourable Mask Making Latex

is a pre-vulcanized, pourable latex that forms a thick durable skin when poured into a gypsum mold and allowed to "dwell" before spilling out to build layers.

HX-974™ High Viscosity Mold Making Latex

is a developed vulcanizable, high viscosity latex made especially for vertical surface applications. With a higher viscosity than HX-80™, this product is ideal for making glove molds.

HX-200™ Coating/Dipping Latex

is a pre-vulcanized, low viscosity liquid that is widely used for different types of dipping/coating applications and is good for making thin, stretchy skins. Sometimes referred to as "balloon" latex.

HX-807™ Brushable Skin & Prop Latex

is a pre-vulcanized, brushable latex that is suitable for coating a variety of surfaces. Perfect for making latex masks, skins and props. High viscosity allows you to control thickness.

HX-Injection Medium™ Latex

is a low viscosity latex used for medical and veterinarian training. Available in **BLUE** or **RED**, latex is injected into cadaver blood vessels to make arteries and veins visible, aiding in identification.

HX-Body Latex™

is a premium grade Natural Liquid Latex product for painting directly onto the body to create a variety of skin effects including paint-on clothing and costume effects.

HX-Cosmetic Latex™

is a natural latex compound that can be used to create blemishes, burns, cuts, wounds, wrinkles and similar skin effects.

HX-974™ makes durable glove molds.

Captures Perfect Detail!

The HX-974™ mold is used to make a casting.

Molds made with latex are highly elastic and exhibit good wear resistance when casting abrasive materials like concrete.

Accessory Products from Holden's:

- FabTone™ Latex Colorants
- HX-Ceco Powder Latex Thickener ™
- HX-Barrier Coat™
- HX-Stiffening Agent™
- HX-Castor Oil™ & more!

Learn more at: www.holdenslatex.com

Chavant™

The Finest Name in Modeling Clays

Sulfur-Free Fine Art Sculpting Clays

NSP™ holds exceptional surface details and is somewhat waxier and tougher than other Chavant products. **NSP™** can be melted and poured at approximately 205°F / 96°C.

Le Beau Touché™ is an extremely smooth sculpting fine art plasteline with exceptional adhesive quality. The HTR formula is suggested for use where working environments are expected to reach 90°F / 32°C.

Sculptex™ is a non-drying modeling clay that is non-contaminating. It holds excellent detail and is great for precision sculpting, prototyping and model making.

Clayette™ modeling clay is non-hardening, odor free and flexible without being sticky. It has a very smooth silky surface texture. It is produced in a natural off-white color.

Monu-Melt™ brings all of the qualities of **Clayette™** into a formula that can be melted and applied to a CNC foam armature by brush. **Monu-Melt™** will not oxidize and can be left out or heated and cooled repeatedly without any significant change. This product can be melted at 180°F / 82°C.

Prima Plastilina™ is a premium-grade, smooth-working, oil-based modeling clay that never hardens or changes with air exposure. It has a medium tackiness with a neutral, non-offensive odor and a natural tan color.

Jolly King™ Plasteline offers the finest quality in an economical plasteline. The wax base, which is used in more costly plastelines, produces a smooth, pliable, non-drying modeling material.

Castilene™ models like clay and works like wax. It is lightweight, compatible with silicones and other rubbers, and can be melted and poured at about 180°F / 82°C.

Fill-It™ is a non-drying, wax-based clay with excellent adhesive and feathering characteristics. It is used by mold makers to seal mold boxes, build dams, set parting lines/ shims and repair cracks.

Sulfur-Based Modeling Clays

Roma Plastilina™ sulfur-based modeling clay has been used by fine art sculptors since the 1950's.

Professional Plasteline™ is a superior, sulfur based, silky smooth modeling clay. The material is soft, permanently pliable, reusable and requires no heating.

Formulated in the 1920's. **DaVinci™** is an original Italian Plastilina. Normal temperature ranges do not affect this unique, wax-free, sculpting clay which has a non-sticky, smooth feel.

Learn more at: www.chavant.com

Industrial Design

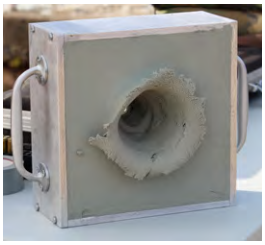
Modeling clay remains an industry standard for three-dimensional design studies. The material perfectly complements modern CAD-CAM processes and allows for quick surface modifications.

AUTOSTYLE & **Y2 Klay** are sulfur free, lightweight, low odor, and deaired.

CM-50, **J-525** & **CM-70** are sulfur based, hard, and available as deaired or non-deaired.

Ballistics Clay

ROMA PLASTILINA™ NO.1



was established as a ballistic testing clay in 1977. Since then, it has been adopted by military and law enforcement agencies for evaluating body armor and helmets throughout the world. The clay is reliable, reusable and easy to use.

ROMA PLASTILINA™ No. 1 is specified by National Institute of Justice (NIJ) Standard 0101.07 and ASTM E3004 for ballistics testing.

TECHNICAL CHARTS

Silicone Rubber

	Product Name	A:B Mix Ratio	Mixed Viscosity ASTM D-2393	Pot Life ASTM D-2471	Cure Time @ 73°F/23°C	Shore A Hardness ASTM D-2240	Specific Volume (Cu. In./lb.)	Die B Tear Strength ASTM D-624	Elongation at Break % ASTM D-412	Shrinkage (in/in)	Color
Tin-Cure Silicone Rubber	Mold Max™ 10	100:10 pbw	15,000 cps	45 min.	24 hrs.	10A	24.1	100 pli	529%	0.001	Light Pink
	Mold Max™ 10T	100:10 pbw	14,000 cps	45 min.	24 hrs.	10A	25.4	87 pli	586%	0.0025	Translucent
	Mold Max™ 14 NV	100:10 pbw	7,500 cps	40 min.	4 hrs.	14A	24.7	87 pli	600%	0.002	White
	Mold Max™ 15T	100:10 pbw	20,000 cps	45 min.	24 hrs.	15A	25.6	94 pli	600%	0.002	Translucent
	Mold Max™ 20	100:10 pbw	25,000 cps	45 min.	24 hrs.	20A	23.5	110 pli	512%	0.001	Light Pink
	Mold Max™ 25	100:5 pbw	25,000 cps	60 min.	24 hrs.	25A	23.5	130 pli	375%	0.001	Purple
	Mold Max™ 27T	100:10 pbw	30,000 cps	45 min.	24 hrs.	27A	25.0	110 pli	400%	0.002	Translucent
	Mold Max™ 29NV	100:10 pbw	10,000 cps	40 min.	6 hrs.	29A	23.7	96 pli	361%	0.002	Yellow
	Mold Max™ 30	100:10 pbw	25,000 cps	45 min.	24 hrs.	30A	23.5	125 pli	300%	0.002	Pink
	Mold Max™ XLS™ II	100:10 pbw	30,000 cps	40 min.	24 hrs.	30A	22.7	110 pli	375%	0.001	Blue
	Mold Max™ 40	100:10 pbw	45,000 cps	45 min.	24 hrs.	40A	24.3	120 pli	250%	0.004	Mint Green
	Mold Max™ 60	100:3 pbw	20,000 cps	40 min.	24 hrs.	60A	19.1	63 pli	132%	0.0015	Red
	Mold Max™ STROKE™	100:10 pbw	Brushable	30-45 min.	16 hrs.	30A	23.5	125 pli	300%	0.002	White
	OOMOO™ 25	1:1 pbv	4,250 cps	15 min.	75 min.	25A	20.6	40 pli	250%	0.0025	Light Blue
	OOMOO™ 30	1:1 pbv	4,250 cps	30 min.	6 hrs.	30A	20.6	40 pli	250%	0.0025	Lavender
	PoYo™ Putty 40	20:1 pbv	Putty	3-5 min.	30 min.	40A	21.3	85 pli	250%	0.003	Light Pink
Platinum-Cure Silicone Rubber	Body Double™ Standard Set	1:1 pbv	Brushable	5 min.	20 min.	25A	23.7	N/A	500%	<0.001	Purple
	Body Double™ Fast Set	1:1 pbv	Brushable	90 sec.	7 min.	25A	23.7	N/A	500%	<0.001	Aqua Green
	Body Double™ SILK	1:1 pbv	Brushable	6 min.	20 min.	25A	30.4	N/A	N/A	<0.001	Green
	Dragon Skin™ FX-Pro	1:1 pbv	18,000 cps	12 min.	40 min.	2A	25.0	61 pli	763%	<0.001	Translucent
	Dragon Skin™ 10 Very Fast	1:1 pbv	23,000 cps	4 min.	30 min.	10A	25.8	102 pli	1000%	<0.001	Translucent
	Dragon Skin™ 10 Fast	1:1 pbv	23,000 cps	8 min.	75 min.	10A	25.8	102 pli	1000%	<0.001	Translucent
	Dragon Skin™ 10 Medium	1:1 pbv	23,000 cps	20 min.	5 hrs.	10A	25.8	102 pli	1000%	<0.001	Translucent
	Dragon Skin™ 10 Slow	1:1 pbv	23,000 cps	45 min.	7 hrs.	10A	25.8	102 pli	1000%	<0.001	Translucent
	Dragon Skin™ 10 NV	1:1 pbv	6,000 cps	15 min.	75 min.	10A	25.8	90 pli	663%	<0.001	Water White Translucent
	Dragon Skin™ 10 AF	1:1 pbv	23,000 cps	20 min.	5 hrs.	10A	25.8	102 pli	1000%	<0.001	Translucent
	Dragon Skin™ 15	1:1 pbv	21,000 cps	40 min.	7 hrs.	15A	25.8	112 pli	771%	<0.001	Translucent
	Dragon Skin™ 20	1:1 pbv	20,000 cps	25 min.	4 hrs.	20A	25.6	120 pli	620%	<0.001	Translucent
	Dragon Skin™ 30	1:1 pbv	20,000 cps	45 min.	16 hrs.	30A	25.7	108 pli	364%	<0.001	Translucent
	Ecoflex™ Gel	1:1 pbv	9,300 cps	15 min.	2 hrs.	000-35	28.0	N/A	1000%	<0.001	Translucent
	Ecoflex™ Gel 2	1:1 pbv	5,000 cps	20 min.	50 min.	000-34	26.4	N/A	1000%	<0.001	Translucent
	Ecoflex™ 00-10	1:1 pbv	14,000 cps	30 min.	4 hrs.	00-10	26.6	22 pli	800%	<0.001	Translucent
	Ecoflex™ 00-20	1:1 pbv	3,000 cps	30 min.	4 hrs.	00-20	26.0	30 pli	845%	<0.001	Translucent
	Ecoflex™ 00-20 FAST	1:1 pbv	3,000 cps	20 min.	1 hr.	00-20	26.0	30 pli	845%	<0.001	Translucent
	Ecoflex™ 00-30	1:1 pbv	3,000 cps	45 min.	4 hrs.	00-30	26.0	38 pli	900%	<0.001	Translucent
	Ecoflex™ 00-31 Near Clear™	1:1 pbv	3,000 cps	40 min.	4 hrs.	00-31	26.0	38 pli	900%	<0.001	Water Clear Translucent

Platinum-Cure Silicone Rubber

Product Name	A:B Mix Ratio	Mixed Viscosity ASTM D-2393	Pot Life ASTM D-2471	Cure Time @ 73°F/23°C	Shore A Hardness ASTM D-2240	Specific Volume (Cu. in./lb.)	Die B Tear Strength ASTM D-624	Elongation at Break % ASTM D-412	Shrinkage (in/in)	Color
Ecoflex™ 00-33 AF	1:1 pbv	3,000 cps	45 min.	4 hrs.	00-33	26.0	38 pli	900%	<0.001	Off-White Translucent
Ecoflex™ 00-35 FAST	1:1 pbv	3,500 cps	2.5 min.	5 min.	00-35	26.0	38 pli	900%	<0.001	Off-White Translucent
Ecoflex™ 00-45 Near Clear™	1:1 pbv	2,000 cps	45 min.	4 hrs.	00-45	26.2	50 pli	980%	<0.001	Water Clear Translucent
Ecoflex™ 00-50	1:1 pbv	8,000 cps	18 min.	3 hrs.	00-50	25.9	50 pli	980%	<0.001	Translucent
Ecoflex™ 5 (Cartridge Only)	1:1 pbv	13,000 cps	1 min.	5 min.	5A	25.8	75 pli	1000%	<0.001	Translucent
Encapso™ K	1:1 pbv	150 cps	120 min.	16 hrs.	33A	28.6	N/A	N/A	<0.001	Clear
Equinox™ 35 FAST	1:1 pbv	Putty	1 min.	7 min.	35A	22.2	140 pli	430%	0.001	Light Purple
Equinox™ 38 MEDIUM	1:1 pbv	Putty	4 min.	30 min.	38A	22.2	140 pli	430%	0.001	Light Purple
Equinox™ 40 SLOW	1:1 pbv	Putty	30 min.	5 hrs.	40A	22.2	140 pli	430%	0.001	Light Purple
EZ~Brush™ Vac Bag Silicone	1:1 pbv	20,000 cps	30 min.	3.5 hrs.	20A	25.7	102 pli	364%	<0.001	Translucent Green
EZ~Spray™ Silicone 20	1:1 pbv	11,000 cps	3 min.	20 min.	20A	25.6	100 pli	470%	<0.001	Translucent Green
EZ~Spray™ Silicone 22	1:1 pbv	11,000 cps	5 min.	45 min.	22A	25.6	102 pli	450%	<0.001	Translucent Green
EZ~Spray™ 35	1:1 pbv	Sprayable	1.5 min.	1 hr.	35A	24.1	92 pli	415%	<0.001	Purple
Mold Star™ 14T	1:1 pbv	11,000 cps	3 min.	9 min.	14A	25.6	90 pli	490%	<0.001	Translucent
Mold Star™ 15 SLOW	1:1 pbv	12,500 cps	50 min.	4 hrs.	15A	23.5	88 pli	440%	<0.001	Green
Mold Star™ 16 FAST	1:1 pbv	12,500 cps	6 min.	30 min.	16A	23.5	88 pli	440%	<0.001	Blue-Green
Mold Star™ 19T	1:1 pbv	11,000 cps	3 min.	12 min.	19A	25.6	90 pli	470%	<0.001	Translucent
Mold Star™ 20T	1:1 pbv	11,000 cps	6 min.	30 min.	20A	25.6	90 pli	470%	<0.001	Translucent
Mold Star™ 30	1:1 pbv	12,500 cps	45 min.	6 hrs.	30A	24.7	88 pli	339%	<0.001	Blue
Mold Star™ 31T	1:1 pbv	11,000 cps	5 min.	23 min.	30A	25.6	90 pli	400%	<0.001	Translucent
Rebound™ 25	1:1 pbv	Brushable	20 min.	6 hrs.	25A	23.5	102 pli	690%	<0.001	Orange
Rebound™ 40	1:1 pbv	Brushable	20 min.	6 hrs.	40A	23.5	106 pli	324%	<0.001	Green
Rubber Glass™	1:1 pbv	150 cps	120 min.	16 hrs.	33A	28.6	N/A	N/A	<0.001	Clear
Smooth-Sil™ 933 Flame Out™	1:1 pbv	40,000 cps	45 mins.	6 hrs.	33A	19.5	50 pli	433%	<0.001	White
Smooth-Sil™ 936	100:10 pbw	21,000 cps	60 min.	24 hrs.	36A	22.9	110 pli	500%	<0.001	Blue
Smooth-Sil™ 940	100:10 pbw	35,000 cps	30 min.	24 hrs.	40A	23.4	100 pli	300%	<0.001	Pink
Smooth-Sil™ 945	1:1 pbv	30,000 cps	25 min.	6 hrs.	45A	22.3	120 pli	320%	<0.001	Purple
Smooth-Sil™ 950	100:10 pbw	35,000 cps	45 min.	18 hrs.	50A	22.3	155 pli	320%	<0.001	Blue
Smooth-Sil™ 960	100:10 pbw	30,000 cps	45 min.	16 hrs.	60A	22.2	110 pli	270%	<0.001	Green
SORTA-Clear™ 12	1:1 pbv	6,000 cps	40 min.	12 hrs.	12A	25.9	80 pli	590%	<0.001	Water Clear Translucent
SORTA-Clear™ 18	100:10 pbw	21,000 cps	60 min.	24 hrs.	18A	25.6	80 pli	545%	<0.001	Translucent
SORTA-Clear™ 37	1:1 pbv	35,000 cps	25 min.	4 hrs.	37A	25.6	105 pli	400%	<0.001	Translucent
SORTA-Clear™ 40	100:10 pbw	35,000 cps	60 min.	16 hrs.	40A	25.6	120 pli	400%	<0.001	Translucent

TECHNICAL CHARTS

Urethane Rubber

Product Name	A:B Mix Ratio	Mixed Viscosity ASTM D-2393	Pot Life ASTM D-2471	Cure Time @ 73°F/23°C	Shore A Hardness ASTM D-2240	Specific Volume (Cu. In./lb.)	Die C Tear Strength ASTM D-624	Elongation at Break % ASTM D-412	Shrinkage (in/in)	Color
Brush-On™ 35	1:1 pbv	Brushable	20 min.	16 hrs.	35A	21.5	57 pli	1,000%	<0.001	Grey-Green
Brush-On™ 40	1:1 pbv	Brushable	20 min.	16 hrs.	40A	23.7	60 pli	1,000%	<0.001	Off-White
Brush-On™ 50	1:1 pbv	Brushable	20 min.	16 hrs.	50A	23.7	80 pli	400%	<0.001	Off-White
Brush-On™ 60	1:1 pbv	Brushable	20 min.	16 hrs.	60A	23.5	80 pli	400%	<0.001	Off-White
Clear Flex™ 30	1:1 pbv	750 cps	15 min.	16 hrs.	30A	26.9	54 pli	675%	0.002	Clear
Clear Flex™ 50	1:2 pbw	250 cps	25 min.	16 hrs.	50A	26.8	25 pli	500%	0.0015	Clear
Clear Flex™ 95	1:1.5 pbw	250 cps	25 min.	16 hrs.	95A	26.8	200 pli	175%	0.0028	Clear
Econ™ 60	1:1 pbv	1,400 cps	6 min.	16 hrs.	60A	26.7	85 pli	500%	<0.001	Amber Translucent
Econ™ 80	1:1 pbv	1,200 cps	13 min.	24 hrs.	80A	26.2	77 pli	127%	0.0014	Translucent
EZ-Mix™ 40	1:1 pbv	Brushable	18 min.	16 hrs.	40A	27.0	67 pli	577%	<0.001	Grey
EZ~Spray™ 45	1:1 pbv	Sprayable	20 min.	16 hrs.	45A	27.0	100 pli	375%	<0.001	Light Blue
Formlastic™ 48	1:1 pbv	3000 cps	25 min.	24 hrs.	48A	24.3	98 pli	1250%	0.001	Off-White
Formlastic™ 60	1:1 pbv	3000 cps	40 min.	24 hrs.	60A	24.3	146 pli	1000%	0.001	Off-White
KX Flex™ 60	1:1 pbv	800 cps	2.5 min.	24 hrs.	60A	24.1	N/A	125%	0.005	Off-White
KX Flex™ 90	100A:120B pbw	800 cps	2.5 min.	24 hrs.	90A	24.1	N/A	125%	0.005	Off-White
PMC™-121/30	1:1 pbv	1,800 cps	30 min.	16 hrs.	30A	26.7	75 pli	1,000%	<0.001	Clear Amber
PMC™-121/50	1:1 pbv	1,400 cps	30 min.	16 hrs.	50A	26.7	85 pli	500%	<0.001	Clear Amber
PMC™-724	1:10 pbw	4,000 cps	20 min.	16 hrs.	40A	20.1	90 pli	700%	<0.001	Off-White
PMC™-726	1:10 pbw	3,000 cps	25 min.	16 hrs.	60A	20.4	100 pli	400%	<0.001	Light Tan
PMC™-744	2:1 pbv	3,400 cps	15 min.	16 hrs.	44A	27.5	90 pli	400%	<0.001	Beige
PMC™-746	2:1 pbv	1,200 cps	15 min.	16 hrs.	60A	26.9	100 pli	650%	<0.001	Amber to Blue
PMC™-770	2:1 pbw	3,000 cps	30 min.	16 hrs.	70A	26.5	200 pli	750%	<0.001	Light Amber
PMC™-780	2:1 pbv	2,000 cps	25 min.	48 hrs.	80A	27.2	200 pli	750%	<0.001	Light Amber
PMC™-790	2:1 pbv	3,000 cps	20 min.	48 hrs.	90A	25.9	300 pli	550%	<0.001	Clear Amber
ReoFlex™ 20	1:1 pbv	1,800 cps	30 min.	16 hrs.	20A	27.3	60 pli	1,000%	<0.001	Off-White
ReoFlex™ 30	1:1 pbv	1,500 cps	30 min.	16 hrs.	30A	27.5	82 pli	1,000%	<0.001	Off-White
ReoFlex™ 40	1:1 pbv	1,500 cps	30 min.	16 hrs.	40A	27.2	85 pli	1,000%	<0.001	Off-White
ReoFlex™ 50	1:1 pbv	2,000 cps	50 min.	16 hrs.	50A	27.4	120 pli	435%	<0.001	Off-White
ReoFlex™ 60	1:1 pbv	1,800 cps	50 min.	16 hrs.	60A	26.7	132 pli	581%	<0.001	Off-White
VytaFlex™ 10	1:1 pbv	3,100 cps	30 min.	24 hrs.	10A	27.9	38 pli	1,000%	<0.001	Off-White
VytaFlex™ 20	1:1 pbv	1,000 cps	30 min.	16 hrs.	20A	27.7	60 pli	1,000%	<0.001	Clear Amber
VytaFlex™ 30	1:1 pbv	1,800 cps	30 min.	16 hrs.	30A	27.3	78 pli	1,000%	<0.001	Off-White
VytaFlex™ 40	1:1 pbv	2,000 cps	30 min.	16 hrs.	40A	26.9	82 pli	660%	<0.001	Off-White
VytaFlex™ 45	1:1 pbv	2,000 cps	30 min.	16 hrs.	45A	26.4	100 pli	900%	<0.001	Off-White
VytaFlex™ 50	1:1 pbv	2,000 cps	60 min.	16 hrs.	50A	26.7	102 pli	400%	<0.001	Off-White
VytaFlex™ 60	1:1 pbv	2,000 cps	60 min.	16 hrs.	60A	26.6	136 pli	480%	<0.001	Off-White

Urethane Plastic

Product Name	A:B Mix Ratio	Mixed Viscosity ASTM D-23932	Pot Life ASTM D-2471	Handling Time @ 73°F/23°C	Cure Time @ 73°F/23°C	Shore D Hardness ASTM D-2240	Specific Volume (Cu. In./lb.)	Ultimate Tensile ASTM D-638 (Except † ASTM D-412)	Elongation at Break % ASTM D-638 (Except † ASTM D-412)	Shrinkage (in/in) ASTM D-2566	Color
Crystal Clear™ 200	100:90 pbw	600 cps	20 min.	-	16 hrs.	80D	26.7	2,500 psi	10%	0.001	Clear
Crystal Clear™ 202	100:90 pbw	600 cps	9 min.	-	90 min.	80D	26.7	3,500 psi	10%	0.0125	Clear
Crystal Clear™ 204	100:90 pbw	600 cps	2 hrs.	-	48 hrs.	80D	26.7	3,500 psi	10%	0.002	Clear
Crystal Clear™ 206	100:90 pbw	600 cps	4.5 hrs.	-	7 days	80D	26.7	2,500 psi	10%	0.002	Clear
Crystal Clear™ 220	100:75 pbw	675 cps	22 min.	-	overnight	85D	25.9	8,190 psi	12%	0.0173	Clear
Crystal Clear™ 221	100:75 pbw	675 cps	75 min.	-	overnight	85D	25.9	8,190 psi	12%	0.0173	Clear
Crystal Clear™ 222 MF	100:75 pbw	800 cps	20 min.	-	16 hrs	83D	25.9	8,990 psi	6.3%	0.0135	Clear
EZ~Spray™ StyroCoat™	1:1 pbv	Variable	2 sec.	-	60 min.	80D	24.7	3,170 psi	20%	0.015	Off-White
EZ~Spray™ Plastic	1:1 pbv	Variable	2 sec.	-	3 hrs.	75D	25.0	2,650 psi	10%	0.016	Off-White
Feather Lite™	1:1 pbv	410 cps	8.5 min.	-	2 hrs.	58D	41.3	2,160 psi	1.6%	0.003	Beige
Plasti-Paste™	1:3 pbv	Paste	8-10 min.	90 min	24 hrs.	70D	23.9	1,600 psi	1.5%	0.005	Off-White
Plasti-Paste™ II	1:2 pbv	Paste	10 min.	90 min.	24 hrs.	70D	27.73	2,150 psi	1.14%	0.005	Off-White
Shell Shock™ FAST	1:4 pbv	3,000 cps	3 min	-	60 min.	85D	17.3	3,100 psi	0.4%	0.0006	Beige
Shell Shock™ SLOW	1:4 pbv	3,000 cps	8 min	-	5 hrs.	85D	17.3	3,100 psi	0.4%	0.0006	Beige
Simpact™ 60A	1:1 pbv	1,100 cps	4 min.	2 hrs.	48 hrs.	60A	25.7	990 psi†	400%	0.007	White
Simpact™ 80A	100:60 pbw	2,000 cps	15 min.	4 hrs.	48 hrs.	80A	25.4	2,295 psi†	164%	0.007	Amber
Simpact™ 85A	85:100 pbw	1,100 cps	4 min.	2 hrs.	48 hrs.	85A	25.4	1,573 psi†	164%	0.007	Off-White
SMASH!™ Plastic	1:1 pbv	900 cps	5 min.	90 min.	16 hrs.	80D	26.7	N/A	N/A	0.0001	Clear
Smooth-Cast™ 45D	1:1 pbv	250 cps	5 min.	-	30 min.	45D	25.2	1,560 psi	100%	0.007	Translucent White
Smooth-Cast™ 57D	1:1 pbv	300 cps	3 min.	-	30 min.	57D	26.4	2,420 psi	100%	0.012	Translucent White
Smooth-Cast™ 60D	1:1 pbv	430 cps	5 min.	-	30 min.	60D	26.4	2,420 psi	100%	0.012	Translucent White
Smooth-Cast™ 61D	1:1 pbv	430 cps	7 min.	-	60 min.	61D	26.4	2,420 psi	100%	0.012	Translucent White
Smooth-Cast™ 65D	1:1 pbv	120 cps	2.5 min.	-	10-15 min.	65D	26.4	2,400 psi	20%	0.01	White
Smooth-Cast™ 66D	1:1 pbv	120 cps	7 min.	-	60 min.	66D	26.4	2,400 psi	20%	0.01	Grey
Smooth-Cast™ 300Q	1:1 pbv	80 cps	30 sec.	-	4-5 min.	70D	26.4	3,000 psi	5%	0.01	White
Smooth-Cast™ 300	1:1 pbv	80 cps	3 min.	-	10 min.	70D	26.4	3,000 psi	5%	0.01	White
Smooth-Cast™ 305	1:1 pbv	80 cps	7 min.	-	30 min.	70D	26.4	3,000 psi	7.5%	0.0065	White
Smooth-Cast™ 310	1:1 pbv	80 cps	15-20 min.	-	3-4 hrs.	70D	26.4	3,000 psi	7.5%	0.0065	White

TECHNICAL CHARTS

Urethane Plastic Cont.

Product Name	A:B Mix Ratio	Mixed Viscosity ASTM D-23932	Pot Life ASTM D-2471	Handling Time @ 73°F/23°C	Cure Time @ 73°F/23°C	Shore D Hardness ASTM D-2240	Specific Volume (Cu. in./lb.)	Ultimate Tensile ASTM D-638	Elongation at Break % ASTM D-638	Shrinkage (in/in) ASTM D-2566	Color
Smooth-Cast™ 320	1:1 pbv	80 cps	3 min.	-	10 min.	70D	26.4	3,000 psi	10%	0.01	Off-White
Smooth-Cast™ 321	1:1 pbv	80 cps	7-9 min.	-	30 min.	70D	26.4	3,000 psi	8%	0.007	Off-White
Smooth-Cast™ 322	1:1 pbv	80 cps	10-20 min.	-	2-4 hrs.	70D	26.4	3,000 psi	8%	0.007	Off-White
Smooth-Cast™ 325	1:1 pbv	100 cps	2.5 min.	-	10 min.	72D	25.9	3,170 psi	10%	0.01	Clear Amber
Smooth-Cast™ 326	1:1 pbv	100 cps	7-9 min.	-	60 min.	72D	25.9	3,170 psi	10%	0.0075	Clear Amber
Smooth-Cast™ 327	1:1 pbv	100 cps	10-20 min.	-	2-4 hrs.	72D	25.9	3,170 psi	10%	0.0075	Clear Amber
Smooth-Cast™ ONYX™ FAST	1:1 pbv	100 cps	2.5 min.	-	10-15 min.	80D	27.7	5,840 psi	4%	0.01	Black
Smooth-Cast™ ONYX™ SLOW	1:1 pbv	100 cps	5 min.	-	90 min.	80D	27.7	7,660 psi	3%	0.012	Black
Smooth-Cast™ 380	1:1 pbv	1,140 cps	6 min.	-	60 min.	82D	15.9	3,550 psi	1.43%	0.0025	Tan
Smooth-Cast™ 385	1:5 pbw	3,000 cps	20 min.	-	2 hrs.	85D	17.3	3,100 psi	1%	0.0006	Beige
TASK™ 2	1:1 pbv	150 cps	7 min.	-	60 min.	80D	24.7	6,650 psi	6%	0.005	White
TASK™ 3	1:1 pbv	150 cps	20 min.	-	90 min.	80D	24.7	6,650 psi	6%	0.0025	White
TASK™ 4	100:100 pbw	250 cps	20 min.	-	16 hrs.	83D	23.9	6,500 psi	4%	0.0035	Ivory
TASK™ 5	1:1 pbv	600 cps	3 min.	15 min.	24 hrs.	77D	25.2	4,530 psi	5%	0.007	Tan
TASK™ 6	1:1 pbv	800 cps	7 min.	75 min.	24 hrs.	75D	25.9	5,200 psi	4%	0.0031	Tan
TASK™ 7 Flame Out™	1:1 pbv	200 cps	2.5 min.	-	10 min.	73D	23.1	3,390 psi	15.1%	0.0111	White
TASK™ 8	1:1 pbv	100 cps	2.5 min.	-	10-15 min.	80D	25.4	5,840 psi	4%	0.01	Off-White
TASK™ 9	1:1 pbv	300 cps	7 min.	-	60 min.	85D	24.3	7,800 psi	6%	0.009	Clear Amber
TASK™ 11	100:100 pbw	2,000 cps	20 min.	-	16 hrs.	60D	24.7	2,500 psi	100%	0.0024	Translucent White
TASK™ 13	100:120 pbw	800 cps	3 min.	-	20 min.	50D	24.1	1,800 psi	125%	0.005	Black
TASK™ 14	100:120 pbw	800 cps	10 min.	-	45 min.	50D	24.1	1,800 psi	125%	0.0035	Black
TASK™ 15	75:100 pbw	600 cps	6 min.	-	60 min.	75D	24.7	2,720 psi	20%	0.0042	Opaque White
TASK™ 16	1:2 pbw	1,400 cps	6 min	90 min.	24 hrs.	30D	25.6	2,264 psi†	233%	0.0025	Light Yellow
TASK™ 18	26:100 pbw	4,400 cps	20 min.	-	16 hrs.	88D	17.6	3,250 psi	1%	0.0006	Metal Gray
TASK™ 21	2:1 pbv	500 cps	6 min.	-	60 min.	75D	25.9	5,500 psi	7.5%	0.0058	White
Task™ 23 FAST	100:60 pbw	3,500 cps	4 min.	-	2 hrs.	63D	26	3,800 psi	400%	0.001	Neutral
Task™ 24 SLOW	100:60 pbw	3,500 cps	20 min.	-	4 hrs.	65D	26	4,280 psi	400%	0.001	Neutral

KEEP OUT OF REACH OF CHILDREN. WARNING: Known to the state of CA to cause cancer, birth defects or other reproductive harm. www.P65Warnings.ca.gov

KEEP OUT OF REACH OF CHILDREN. WARNING: Known to the state of CA to cause cancer, birth defects or other reproductive harm. www.P65Warnings.ca.gov

Urethane Expanding Foams

	Product Name	A:B Mix Ratio	Mixed Viscosity ASTM D-2393	Pot Life ASTM D-2471	Handling Time	Demold Time	Specific Volume (Cu. In./lb.)	Approx. Volumeric Expansion	Lbs./Cubic Foot	Color
Rigid	FOAM-iT!™ 3	1:1 pbv	200 cps	1 min.	20 min.	2 hrs.	504	18 times	3 lb/ft³	Beige
	FOAM-iT!™ 4	1:1 pbv	300 cps	1.5 min.	20 min.	2 hrs.	420	14 times	4 lb/ft³	Beige
	FOAM-iT!™ 4 BLACK	1:1 pbv	300 cps	1.5 min.	20 min.	2 hrs.	420	14 times	4 lb/ft³	Black
	FOAM-iT!™ 5	1:1 pbv	300 cps	1.5 min.	20 min.	2 hrs.	315	10 times	5 lb/ft³	Beige
	FOAM-iT!™ 8	2:1 pbw	300 cps	1.5 min.	20 min.	2 hrs.	194	8 times	8 lb/ft³	Off White
	FOAM-iT!™ 10	1:1 pbv	400 cps	1.5 min.	20 min.	2 hrs.	157	6 times	10 lb/ft³	Beige
	FOAM-iT!™ 10 SLOW	1:1 pbv	400 cps	3.5 min.	1 hr.	4 hrs.	157	6 times	10 lb/ft³	Beige
	FOAM-iT!™ 15	1:1 pbv	500 cps	1.5 min.	20 min.	2 hrs.	105	4 times	15 lb/ft³	Beige
	FOAM-iT!™ 26	1:1 pbv	500 cps	1.5 min.	20 min.	2 hrs.	60	2 times	26 lb/ft³	White
	EZ~Spray™ Foam	1:1 pbv	400 cps	13 sec.	10 min.	10 min.	144	7 times	8 lb/ft³	Tan
Flexible	FlexFoam-iT!™ III	1:2 pbv	1,000 cps	35 sec.	25 min.	2 hrs.	504	15 times	3 lb/ft³	White
	FlexFoam-iT!™ IV Tuff Stuff	80:100 pbw	1,000 cps	30 sec.	45 min.	2 hrs.	420	13 times	5 lb/ft³	White
	FlexFoam-iT!™ V	1:1 pbv	1,000 cps	50 sec.	45 min.	2 hrs.	315	11 times	5 lb/ft³	White
	FlexFoam-iT!™ 6 Pillow Soft	1:1 pbv	1,000 cps	35 sec.	60 min.	2 hrs.	280	10 times	5 lb/ft³	White
	FlexFoam-iT!™ 7 FR	1:1 pbv	1,000 cps	35 sec.	60 min.	2 hrs.	229	8 times	7 lb/ft³	White
	FlexFoam-iT!™ VIII Pillow Soft	1:2 pbv	1,000 cps	35 sec.	25 min.	2 hrs.	194	8 times	8 lb/ft³	White
	FlexFoam-iT!™ X	1:1 pbv	1,000 cps	50 sec.	45 min.	2 hrs.	157	6 times	10 lb/ft³	White
	FlexFoam-iT!™ 14	1:2 pbv	1,000 cps	60 sec.	45 min.	2 hrs.	114	4 times	14 lb/ft³	White
	FlexFoam-iT!™ 15 Tuff Stuff	1:2 pbv	1,000 cps	2 min	90 min	4 hrs	115	4 times	15 lb/ft³	White
	FlexFoam-iT!™ 17	1:2 pbv	1,000 cps	60 sec.	30 min.	2 hrs.	93	3.5 times	17 lb/ft³	White
	FlexFoam-iT!™ 23 FR	85:100 pbw	1,000 cps	90 sec.	60 min.	2 hrs.	68	2 times	23 lb/ft³	White
	FlexFoam-iT!™ 25	1:2 pbw	1,000 cps	90 sec.	25 min.	2 hrs.	63	2 times	25 lb/ft³	White
	EZ~Spray™ FlexFoam	1:1 pbv	1,000 cps	10 sec.	10 min.	15 min.	252	7 times	7 lb/ft³	White

Silicone Expanding Foams

	Soma Foama™ 15	2:1 pbv	10,000 cps	30 sec.	20 min.	1 hr.	115	4 times	15 lb/ft³	White
	Soma Foama™ 25	1:1 pbv	10,000 cps	90 sec.	20 min.	1 hr.	69	2-3 times	25 lb/ft³	White

TECHNICAL CHARTS

Casting Epoxies

Product Name	Hardener	A:B Mix Ratio	Mixed Viscosity	Pot Life	Cure Time	Hardness	Specific Volume (Cu. In./lb.)	Ultimate Tensile ASTM D638	Tensile Elongation ASTM D638	Compressive Strength - psi ASTM D695	Compressive Modulus - psi ASTM D695	Color
EpoxAcast™ 650	101 Fast	100A:12B pbw	7,000 cps	20 min.	1.0 hr.	93[B]	18.22	6,000 psi	0.42%	16,350 psi	142,600 psi	Off-White
EpoxAcast™ 650	102 Medium	100A:13B pbw	7,000 cps	90 min.	4.0 hrs.	93[B]	18.22	6,000 psi	0.42%	16,350 psi	142,600 psi	Off-White
EpoxAcast™ 650	103 Slow	100A:14B pbw	7,000 cps	3.5 hrs.	24 hrs.	93[B]	18.22	6,000 psi	0.42%	16,350 psi	142,600 psi	Off-White
EpoxAcast™ 650	HT High Temp	100A:10B pbw	5,000 cps	3.0 hrs.	24 hrs.*	93[B]	18.22	6,900 psi	0.82%	15,980 psi	134,400 psi	Off-White
EpoxAcast™ 650 BLACK	101 Fast	100A:12B pbw	7,000 cps	20 min.	1.0 hr.	93[B]	18.22	6,000 psi	0.42%	16,350 psi	142,600 psi	Black
EpoxAcast™ 650 BLACK	102 Medium	100A:13B pbw	7,000 cps	90 min.	4.0 hrs.	93[B]	18.22	6,000 psi	0.42%	16,350 psi	142,600 psi	Black
EpoxAcast™ 650 BLACK	103 Slow	100A:14B pbw	7,000 cps	3.5 hrs.	24 hrs.	93[B]	18.22	6,000 psi	0.42%	16,350 psi	142,600 psi	Black
EpoxAcast™ 650 BLACK	HT High Temp	100A:10B pbw	5,000 cps	3.0 hrs.	24 hrs.*	93[B]	18.22	6,900 psi	0.82%	15,980 psi	134,400 psi	Black
EpoxAcast™ 655	101 Fast	100A:10B pbw	23,000 cps	30 min.	3.0 hrs.	90[D]	16.7	4,810 psi	0.54%	12,500 psi	125,500 psi	Grey
EpoxAcast™ 655	102 Medium	100A:11B pbw	23,000 cps	75 min.	9.0 hrs.	90[D]	16.7	4,810 psi	0.54%	12,500 psi	125,500 psi	Grey
EpoxAcast™ 655	103 Slow	100A:12B pbw	23,000 cps	3.5 hrs.	24 hrs.	90[D]	16.7	4,810 psi	0.54%	12,500 psi	125,500 psi	Grey
EpoxAcast™ 655 HT	HT High Temp	100A:8B pbw	12,000 cps	4.0 hrs.	24 hrs.*	90[D]	16.5	6,000 psi	0.50%	15,700 psi	270,000 psi	Grey
EpoxAcast™ 670 HT	HT High Temp	100A:16B pbw	6,000 cps	3.0 hrs.	24 hrs.*	90[D]	24.1	4,500 psi	0.65%	13,000 psi	101,400 psi	Beige
EpoxAcast™ 690	N/A	100A:30B pbw	280 cps	5.0 hrs.	24 hrs.	80[D]	25.0	6,630 psi	1.8%	9,610 psi	91,300 psi	Clear
EpoxAcast™ 692	N/A	100A:40B pbw	370 cps	12 hrs	72 hrs.	80[D]	25.7	4,585 psi	3.1%	5,777 psi	82,000 psi	Clear

KEEP OUT OF REACH OF CHILDREN. WARNING: Known to the state of CA to cause cancer, birth defects or other reproductive harm. www.P65Warnings.co.gov

* 24 Hours followed by Heat cure for 2 hrs at 175°F/80°C followed by 3 hrs at 300°F/150°C

[B] Barcol 935 Hardness (ASTM D2240)

[D] Shore D Hardness (ASTM D2240)

Laminating/Coating Epoxies

Product Name	A:B Mix Ratio	Mixed Viscosity	Pot Life	Thin Film Working Time	Cure Time	Shore D Hardness (ASTM D-2240)	Specific Volume (Cu. In./lb.)	Tensile Elongation	Color
EpoxAmite™ 101 FAST	4:1 pbv	1,000 cps	11 min.	30 min.	6-8 hrs.	84D	24.5	2.45%	Clear Yellow
EpoxAmite™ 102 MEDIUM	3:1 pbv	650 cps	22 min.	90 min.	10-15 hrs.	80D	25.0	3.15%	Clear Yellow
EpoxAmite™ 103 SLOW	3:1 pbv	650 cps	55 min.	180 min.	20-24 hrs.	80D	25.2	2.63%	Clear Yellow
EpoxAmite™ HT	100A:33B pbw	650 cps	60 min.	180 min.	24 hrs.	80D	25.2	2.3%	Clear
EpoxAmite™ White 101 FAST	100A:20B pbw	3,400 cps	20 min.	45 min.	10-15 hrs.	83D	22.2	0.8%	White
EpoxAmite™ White 102 MEDIUM	100A:23B pbw	2,800 cps	62 min.	120 min.	20-24 hrs.	85D	22.5	1.2%	White
EpoxAcoat™ RED/GREY/WHITE/NEUTRAL	5:1 pbv	Light Paste	20 min.	40 min.	16 hrs.	85D	19.4	N/A	Red, Grey, White or Neutral
EpoxAcoat™ HT	100A:188 pbw	Light Paste	40 min.	75 min.	4 hrs.*	85D	N/A	N/A	Dark Red
EPSILON™ + 101 Hardener	100A:20B pbw	Variable	15 min.	45 min.	16 hrs.	75D	23.9	N/A	Beige
EPSILON™ + 102 Hardener	100A:25B pbw	Variable	30 min.	120 min.	24 hrs.	75D	24.3	N/A	Beige
Epsilon™ PRO	2:1 pbv	4,000 cps	22 min.	35 min.	16 hrs.	65D	25.0	N/A	Clear Amber
Habitat Cast N Coat™	1:1 pbv	13,500 cps	85 min	N/A	16 hrs.	85D	18.35	N/A	Tan
Plasti-Paste™ EPOXY	2:1 pbv	Paste	40 min.	60 min.**	16 hrs.	80D	27.73	N/A	Off White
Tarbender™	2:1 pbv	1100 cps	45 min.	2 hrs.	16 hrs.	75D	25.4	N/A	Clear
XTC-3D™	2:1 pbv*	350 cps	10 min.*	20 min.	2 hrs.*	80D	25.1	N/A	Clear*

*See Technical Bulletin For More Information
**Recoat Time

Epoxy Putties

Product Name	A:B Mix Ratio	Mixed Viscosity	Pot Life*	Cure Time	Shore D Hardness (ASTM D-2240)	Specific Volume (Cu. In./lb.)	Heat Deflection Temp (ASTM D-648)	Color
Free Form™ AIR	1:1 pbv	Dough	30 - 120 min.	24 hrs.	50D	61.6	140°F/60°C	Grey
Free Form™ AIR FAST	1:1 pbv	Dough	6 - 10 min.	24 hrs.	60D	61.6	145°F/63°C	Grey
Free Form™ AIR Fire Safe	1:1 pbv	Dough	30 - 120 min.	24 hrs.	73D	34.6	140°F/60°C	Grey
Free Form™ AIR HT	2:1 pbv	Dough	150 min.	16 hrs.	55D	54.31	400°F/204°C	Grey
Free Form™ Habitat™ Black	1:1 pbv	Dough	60 min.	16 hrs.	85D	17.3	160°F/74°C 212°F/100°C**	Black
Free Form™ Habitat™ Fire Safe™	1:1 pbv	Dough	90 min.	16 hrs.	85D	17.3	160°F/74°C 212°F/100°C**	Neutral
Free Form™ Habitat™ Flex FR	1:1 pbv	Dough	90 min.	24 hrs.	45D	17.9	160°F/74°C 212°F/100°C**	Light Brown
Free Form™ SCULPT	1:1 pbv	Putty	1.5 hrs. @ 1 lb.	24 hrs.	80D	20.73	N/A	Grey

*Depnding on mass
**If post cured according to heat post curing schedule

KEEP OUT OF REACH OF CHILDREN. WARNING: Known to the state of CA to cause cancer, birth defects or other reproductive harm. www.P65Warnings.co.gov

TECHNICAL CHARTS

duoMatrix™ Systems

Product Name	Mix Ratio	Pot Life	Demold Time	Specific Volume (Cu. In./lb.)	Density (lbs./ft³)	Tensile Strength	Flexural Strength	Color
duoMatrix™-G	100 parts gypsum + 50 parts C-1 Latex + 10 parts C-2 Resin + 0.5 Parts C-3 Hardner	45 - 60 min.*	90 - 120 min.*	17.45	99	3,300 - 5,500 psi	7,500 - 9,800 psi	Bright White
duoMatrix™ NEO	100 parts A (powder) : 50 parts B (liquid) by weight or volume	Drill Mixed: 30 min.*	Drill Mixed: 90 min.*	17.45	99	3,300 - 5,500 psi	7,500 - 9,800 psi	White
Matrix Dryve™	100 parts powder : 27 parts water by weight 3parts powder : 1 part water by volume	Drill Mixed: 20 min.*	Drill Mixed: 90 min.*	17.45	99	3,300 - 5,500 psi	7,500 - 9,800 psi	White
duoMatrix™-C	**Pre-Mix / Spray Up** Type I Cement: 100 parts / 100 parts Sand: 80 parts / 100 parts Matrix™-C: 15 parts / 15 parts Water: 23 parts / 23 parts A-R Glass: 6 parts / 10 parts	45 - 90 min.	16 hrs.	N/A	100 - 130	Up to 900 psi	Up to 5,000 psi	White

*Depending on mass and environmental temperature

Product Name	Mix Ratio	Pot Life	Demold Time	Density (lbs./ft³)	Specific Volume (Cu. In./lb.)	Tensile Yield	Tensile Ultimate	Flexural Yield	Flexural Ultimate	Compressive Strength - psi	Color
Forton™ VF-774 GFRC Additive (51% Solids)	**Pre-Mix** / **Spray Up** Type I Cement: 100 parts / 100 parts Sand: 85 parts / 100 parts VF-774: 10-12 parts / 12-14 parts Water: 24-27 parts / 24-27 parts Plasticizer: 4-8 oz / 4-8 oz A-R Glass: 3% pbw / 5% pbw	Variable	12 - 16 hrs.	**Pre-Mix** 110 -130 **Spray-Up** 120 - 140	15.7 - 13.3 14.4 - 12.3	**Pre-Mix** 600 - 900 psi **Spray-Up** 700 - 1,000 psi	**Pre-Mix** 600 - 1,000 psi **Spray-Up** 1,000 - 1,600 psi	**Pre-Mix** 700 - 1,200 psi **Spray-Up** 900 - 1,500 psi	**Pre-Mix** 1,450 - 2,000 psi **Spray-Up** 2,000 - 3,500 psi	**Pre-Mix** 6,000 - 9,000 psi **Spray-Up** 7,000 - 12,000 psi	Variable
Forton™ VF-812 Alpha Gypsum Modifier (50% Solids)	100 parts gypsum + 50 parts VF-812 Polymer + 10 parts MF-415 Resin + 0.48 Parts Hardner	20 - 30 min.*	60 - 90 min.*	95 - 100	17.45	1,200 - 1,400 psi	3,500 - 5,100 psi	1,800 - 2,900 psi	3,500 - 9,400 psi	6,000 - 9,000 psi	Bright White

FORTON™ Systems

*Depending on mass and environmental temperature

KEEP OUT OF REACH OF CHILDREN. WARNING: Known to the state of CA to cause cancer, birth defects or other reproductive harm. www.P65Warnings.ca.gov

TECHNICAL CHARTS

Alginate

Product Name	A:B Mix Ratio	Pot Life ASTM D-2471	Cure Time @ 73°F/23°C	Specific Volume (Cu. In./lb.)	Color
Accu-Cast™ 370-SD™	3 parts water (70°F/21°C) : 2 parts powder by volume 4 parts water (70°F/21°C) : 1 part powder by weight	2 min.	3 min.	26.0	Off-White
Accu-Cast™ BabyGel™ 2	1 part water (80°F/27°C) : 1 part powder by volume 4 parts water (80°F/27°C) : 1 part powder by weight	2 min.	3 min.	26.0	Pink to Light Grey
Accu-Cast™ BodyGel™ 880	1 part water (80°F/27°C) : 1 part powder by volume 3 parts water (80° F/27° C) : 1 part powder by weight	5 min.	8 min.	26.0	Off-White
Accu-Cast™ FaceGel™ 590	3 parts water (90°F/32°C) : 2 parts powder by volume 4 parts water (90°F/32°C) : 1 partpowder by weight	3.5 min.	5 min.	26.0	Tan
Accu-Cast™ HandGel™ 570	3 part water (70°F/21°C) : 2 parts powder by volume 4 parts water (70°F/21°C) : 1 part powder by weight	3.5 min.	5 min.	26.0	Off-White
Accu-Cast™ Phase 2™ Gel	1 part water (70°F/21°C) : 1.5 parts powder by volume 2.5 parts water (70°F/21°C) : 1 part powder by weight	1.5 min.	2.5 min.		White to Pink to White
Alja-Safe™	1 part water (80°F/27°C) : 1 part Alja-Safe™ powder by volume	5 min.	8 min.	26.0	Light Purple
Alja-Safe™ Acrobat	1 part water (80°F/27°C) : 1 part Acrobat powder by volume	5 min.	8 min.	26.0	Off-White
Alja-Safe™ Breeze	5 parts water (80°F/27°C) : 1 part liquid by volume	3 min.	8 min.	26.0	Blue

Starter Kits

Body Double™ Standard Set Starter Kit	Forton™ MG Starter Kit	Lifecasting Starter Kit	Pourable Starter Kit	Ultimate Blood™ Kit	Ultimate Wound Kit™	Ultimate Zombie Kit™
• **Body Double™** Silicone • 2 Rolls of 4"Width Bandages • **Body Double™** Release Cream • Mixing Sticks & Containers	• 7 lbs VF-812 • 1 lbs MF-415 • 10 lbs FGR-95 • 22 grams Hardener • 1 lb Chopped E-Glass	• **Alja-Safe™** Molding Gel • Casting Plaster • Quick Start Guide	• How-To Booklet • **OOMOO™ 30** Molding Rubber • **Smooth-Cast™ 300** Casting Resin • **SuperSeal™** Sealing Agent • **Ease Release™ 205** Release Agent • Quick Start Guide	• **Ultimate Blood™** Base • **Ultimate Blood™** Thinner • **Ultimate Blood™** Thixo • **Ultimate Blood™** Blue Tint • **Ultimate Blood™** Red Tint • **Ultimate Blood™** Yellow Tint • Mixing Sticks & Cups	• Step-By-Step How-To Guide • **Skin Tite™** Silicone • **Thi-Vex™** Thickening Agent • **Silc Pig™** Pigment • **Rubber Glass™** Cured Disks • Mixing Sticks & Cups	• Step-By-Step How-To Guide • **Thi-Vex™** Thickening Agent • **Skin Tite™** Silicone • **Silc Pig™** Pigment • Makeup Pallette • **Rubber Glass™** Cured Disks • Zombie Teeth • Mixing Sticks & Cups

Find Complete Technical Bulletins & Material Safety Data Sheets (SDS) at: **www.smooth-on.com**

Seminars & Master Class Series

Introduction to Mold Making, Casting, Materials and More

Thousands of people from all over the world have attended Smooth-On's two day training seminars.

Introduction to Mold Making, Casting and More

Slides, videos and hands-on demonstration introduce you to the basics of mold making and casting, in an easy-to-understand format. Attendees make their own molds and castings over the 2-day period.

Limited Class Sizes for Maximum Learning Experience

You are never without someone to guide you. Whether you are a beginner or seasoned user of these materials, you will be inspired and understand why many seminar graduates describe our classes as a "life changing experience".

More Than Just Mold Making and Casting

We will show you a world of material possibilities and how these materials can be used for hundreds of applications you never thought were possible.

Presentations / Demonstrations

1-DAY MASTER CLASSES


Tom Kuebler

Smooth-On's ***'Master Class Series'*** showcases artists that are known by the art community and who are willing to share their accumulated knowledge, skills and experience with others. Learn from their unique perspectives in the spirit of exchanging ideas and information related to their craft.


Adam Nelson


Bill Doran


Black Widow Sculpture by Tom Kuebler

Past Master Class artists include Tom Kuebler, Adam Nelson and Bill Doran. Check our schedule online for more information.

WATCH LEARN DO

VIDEO LIBRARY

SMOOTH-ON.COM/TUTORIALS

- AQUARIUMS & ZOOS
- ARCHITECTURAL RESTORATION
- BUDDY RHODES™ CONCRETE PRODUCTS
- CANDLE MAKING
- CONCRETE MOLD MAKING AND CASTING
- COSPLAY
- ENCAPSULATION & DISPLAY
- FOOD SAFE MOLD MAKING
- HOME CRAFTS & HOBBIES
- INDUSTRIAL
- LARGE SCALE APPLICATIONS
- LIFE CASTING
- MAKEUP FX
- MEDICAL SIMULATION
- MOLD MAKING
- ORTHOTICS & PROSTHETICS
- PROP MAKING
- PROTOTYPING / INVENTING
- SCULPTURE & ART CASTING
- SPECIAL EFFECTS
- SPRAYABLE MATERIALS
- TAXIDERMY
- THEMED ENVIRONMENTS
- VACUUM BAGGING
- WOODWORKING
- WOUND SIMULATIONS

youtube.com/smoothoninc

facebook.com/smoothon

twitter.com/smoothon

instagram.com/smoothon

tiktok.com/@smoothon

SMOOTH-ON 5600 Lower Macungie Road, Macungie PA 18062 | **Tel:** 610.252.5800 | **Fax:** 610.252.6200 | www.smooth-on.com

7149-11200-0822