



# REYNOLDS ADVANCED MATERIALS



**Materials  
for  
Making Things™**





**R**eynolds Advanced Materials specializes in turning ideas into a physical reality by showing you materials that can do things you never thought possible.

We help people like you convert concepts and project designs into a finished product. We're easy to talk to and our expertise can guide you to the right materials and/or equipment for your application.



## EXPERT ADVICE



## FULLY STOCKED



## HOW-TO SEMINARS



**Allentown** 5600A Lower Macungie Rd., Macungie, PA 18062  
**Hours:** Monday - Friday 8:00 AM to 5:30 PM  
**Tel:** 484.860.3636 • Toll-Free: 844.294.1444

**Atlanta** 94 Upper Riverdale Rd. SW, Riverdale, GA 30274  
**Hours:** Monday - Friday 8:00 AM to 5:30 PM, Sat. 10 AM to 3 PM  
**Tel:** 404.685.8804 • Toll-Free: 888.606.0444

**Boston** 45 Electric Avenue, Brighton, MA 02135  
**Hours:** Monday - Friday 8:00 AM to 5:30 PM  
**Tel:** 617.208.0300 • Toll-Free: 800.481.9246

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**Tel:** 214.421.4377 • Toll-Free: 800.421.4378

**Denver** 3920 Grape St., Denver, CO 80207  
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**Tel:** 303.399.0202 • Toll-Free: 800.603.3080

**Detroit** 51805 Filomena Dr., Shelby Charter Township, MI 48315  
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**Tel:** 586.566.7900 • Toll-Free: 844.377.0729

**Los Angeles** 2040 N Lincoln St., Burbank, CA 91504  
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**Tel:** 818.358.6000 • Toll-Free: 800.348.4349

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**Tel:** 407.856.6115 • Toll-Free: 800.328.8786

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**Hours:** Monday - Friday 8:00 AM to 5:30 PM  
**Tel:** 480-967-7727 • Toll-Free: 888.967-7727

**Seattle** 10422 SE 244th St., Kent, WA 98030  
**Hours:** Monday - Friday 8:00 AM to 5:30 PM  
**Tel:** 253.236.4908 • Toll-Free: 844.512.8208





# REYNOLDS ADVANCED MATERIALS

MATERIALS FOR MAKING THINGS™



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# Tin-Cure


**REYNOLDS ADVANCED MATERIALS**

MATERIALS FOR MAKING THINGS™

Tin-based silicones, also called condensation-cure silicones, are two-component materials which cure at room temperature (RTV) to flexible, high tear-strength rubbers. Tin-cured silicones can be poured onto models or they can be made brushable by adding a thixotropic additive. They are ideal for molds where easy release or high temperature resistance is required. Tin-cured silicones can be used for casting polyurethane, epoxy and polyester resins, waxes, all gypsum products and low-temperature melt metals.

## Mold Max™ Series

High Tear Strength

**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. There is no better silicone value.

**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

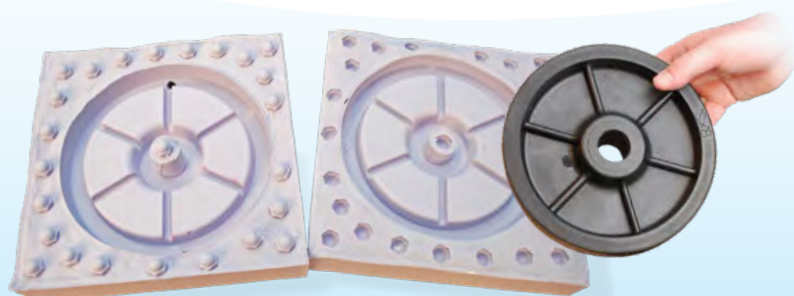


**Mold Max™** can be used for casting wax, gypsum plasters, concrete, urethane, polyester & epoxy resin, low-temperature melt metal alloys & more.

**Mold Max™ 30 & Crystal Clear™** used to create a custom staircase.



**Mold Max™ 25** is used to create a two-part mold to duplicate an industrial wheel.







Chep Morrison uses **Mold Max™ XLS™ II** to replicate an ornate bracket for an architectural restoration project in New Orleans. **XLS™ II** molds last longer than other silicones in production when casting chemically harsh resins such as epoxies and polyesters as well as urethane foams.

**VERTICAL  
Application**



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



**NO VACUUM  
Required**



**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.





# Tin-Cure



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## 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™ T-Series

- Translucent
- Available in 10A, 15A, and 27A Durometer



**GREAT FOR  
Beginners**

## OOMOO™ Series

Perfect for beginners, hobbyists and craft makers, **OOMOO™ 25 & 30** silicone rubbers are easy to use and inexpensive. They don't require special equipment to process and are ideal for making one or two-piece block molds. **OOMOO™** molds are good for fast prototyping and model making, creating resin jewelry and home hobby projects.

**OOMOO™ 25** 25A Durometer

**OOMOO™ 30** 30A Durometer

*Perfect detail reproduction!*



**OOMOO™** is ideal for making one and two-piece block molds for custom display pieces.

## PoYo™ Putty

**PoYo™ Putty** mold making putty is mixed by hand and can be applied anywhere, anytime. **PoYo™ Putty** can be pressed onto almost any surface and can be used to make fast molds of valuable antiques, archeological models, sculpture, picture frames, coins and more.

*PoYo™ Putty can easily be applied to a vertical surface.*





Platinum-cure silicones, also called addition-cure silicones, are high tear strength, flexible mold compounds. Good for casting a wide range of materials. They exhibit extremely low shrinkage and will last for years in your mold library.

## Mold Star™ Series

**Mold Star™ 15 SLOW, 16 FAST, 14T, 19T, 20T, 31T & 30** are easy-to-use silicones that can be measured by volume and are low in viscosity so vacuum degassing is not required. **Mold Star™** silicones are strong and lasting mold materials great for casting plaster, wax, resins, etc.

**Mold Star™ 15 SLOW** 15A Durometer

**Mold Star™ 16 FAST** 16A Durometer

**Mold Star™ 14T, 19T, 20T & 31T**

- Translucent
- Can be pigmented with Silc Pig™

**Mold Star™ 30** 30A Durometer

- Does not require vacuum degassing

**Mold Star™ 16 FAST** is also available in 400 ml cartridges. See dispensing guns on page 49.

**Mold Star™ 20T** is used to mold clips from 3-D printed prototypes. The rubber pours easily, sets up quickly, and captures perfect detail.



## Rebound™ Series

**Rebound™ 25 & Rebound™ 40** are easy-to-use silicone rubbers that self-thicken for making brush-on molds of almost any model.

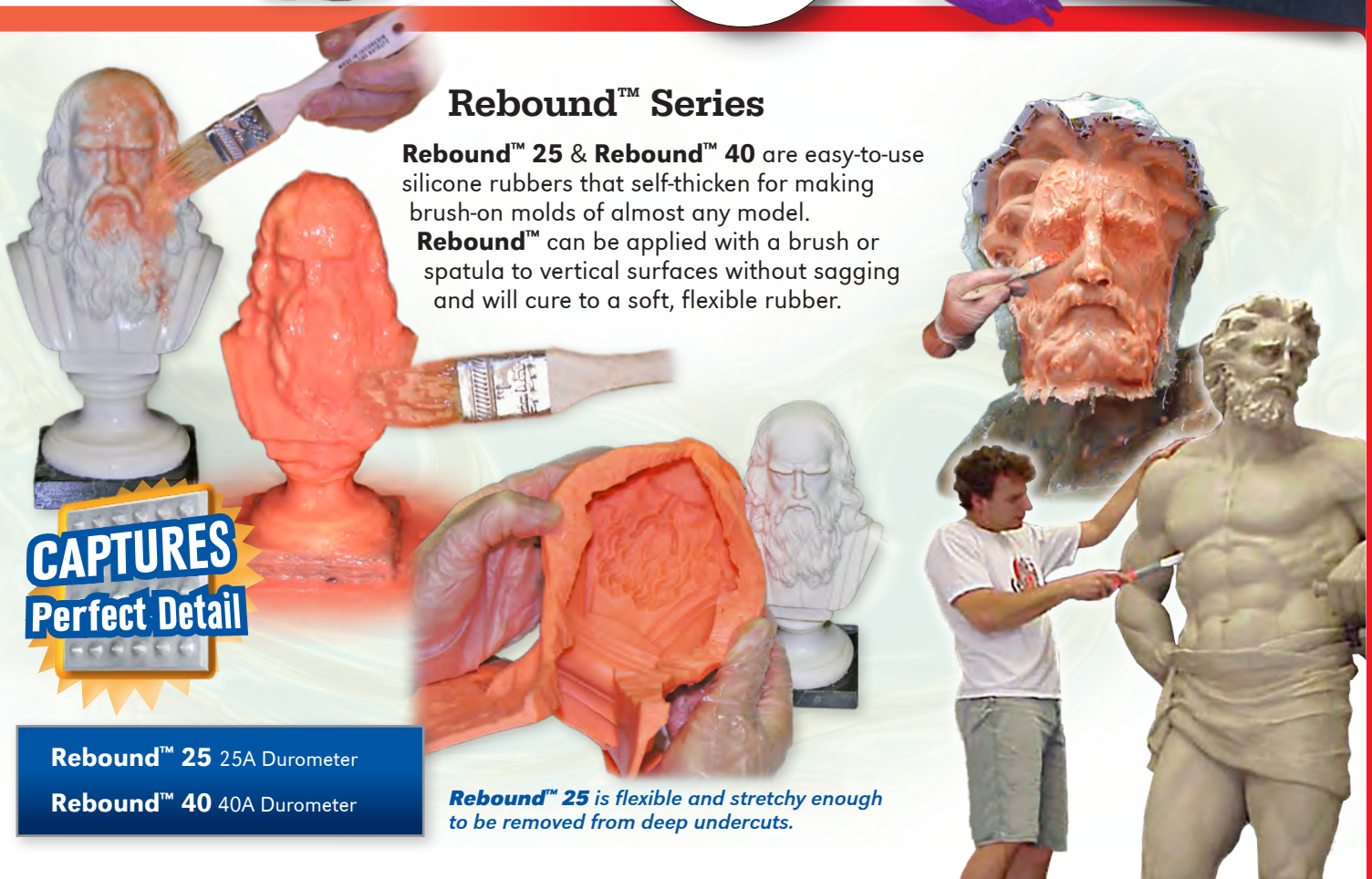
**Rebound™** can be applied with a brush or spatula to vertical surfaces without sagging and will cure to a soft, flexible rubber.

**CAPTURES  
Perfect Detail**

**Rebound™ 25** 25A Durometer

**Rebound™ 40** 40A Durometer

**Rebound™ 25** is flexible and stretchy enough to be removed from deep undercuts.





# Platinum-Cure



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## Dragon Skin™ Series

**Dragon Skin™** is known around the world as the most versatile silicone available anywhere. **Dragon Skin™** silicones are easy to use and can be colored with Silc Pig™ color pigments or the Psycho Paint™ system. **Dragon Skin™** silicones are used to create life-like skin and effects for animatronics. They are perfect for making stretchy “glove molds” of models with deep undercuts for casting resins, concrete, plaster, etc.



**Dragon Skin™ 10** with green **Silc Pig™** silicone color pigment is stretchy and strong.

### **Dragon Skin™ 10** 10A Durometer

- Available in Slow, Medium, Fast, Very Fast & Anti Fungal

### **Dragon Skin™ 10NV** 10A Durometer

- No Vacuum required

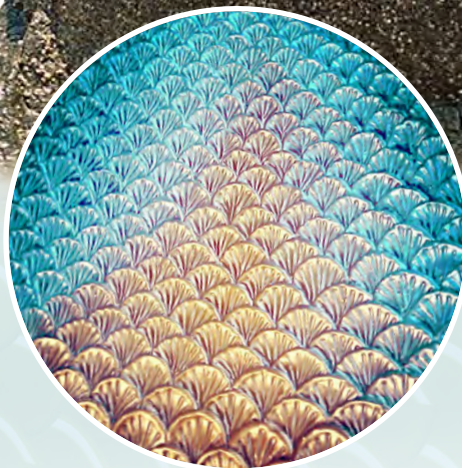
### **Dragon Skin™ 15** 15A Durometer

### **Dragon Skin™ 20** 20A Durometer

### **Dragon Skin™ 30** 30A Durometer

### **Dragon Skin™ FX-Pro** 2A Durometer

**Dragon Skin™** tail color effects using **Silc Pig™** and **Cast Magic™** Powders.



*Mermaid Hyli shows off her **Dragon Skin™** tail made by MERBELLAS.*



## **Dragon Skin™ FX-Pro**

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





## Ecoflex™ Super-Soft Series

**Ecoflex™ Super-Soft** rubbers are “sister” silicones to our **Dragon Skin™** series. **Ecoflex™** silicones are extraordinarily soft, strong, durable and offer tremendous wear resistance. **Ecoflex™** SuperSoft silicones are used for creating incredible skin effects, monster masks and special effects appliances. They are also used extensively for medical cushioning, orthotic and orthopedic applications.



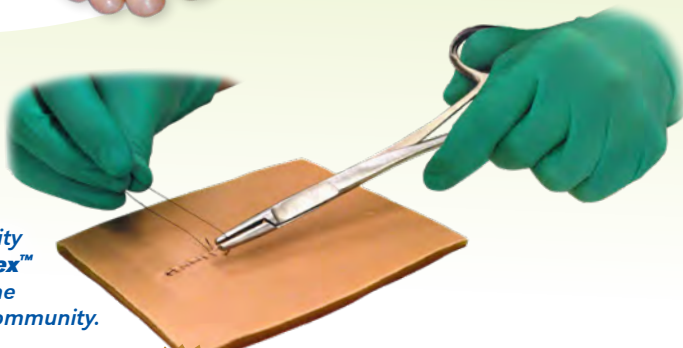
Slimer replica made with **Ecoflex™ 00-30** and **Ecoflex™ Gel 2** in combination with **Psycho Paint™** system.



A foot prosthetic made with **Ecoflex™** is durable and lasting.



**Ecoflex™ 00-30** mask in combination with **Psycho Paint™** system made by Immortal Masks.



Because of its similarity to human skin, **Ecoflex™** is a favorite among the medical simulation community.



**Ecoflex™ 00-30**

**Ecoflex™ 00-31 Near Clear™**

**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**  
00-35 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

**Special  
FX**

## Rubber Glass™

**Rubber Glass™** is a solid, water clear rubber that can be broken or “crumbled” into pieces that look exactly like broken glass, ice or diamonds. Vibrant colors are possible by adding **Silc Pig™** pigments or **Ignite™** color pigments. **Rubber Glass™** is used to create specialty display pieces & movie special effects.





# Platinum-Cure


**REYNOLDS ADVANCED MATERIALS**

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**Smooth-Sil™ 936** is the perfect choice for creating GFRC architectural elements. It is both chemically and abrasion resistant.



**Smooth-Sil™ 950** is ideal when dimensional stability is required.



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

## Smooth-Sil™ Series

**Smooth-Sil™ 936, 940, 950 & 960** are mixed 100A:10B by weight and are ideal for production molds of any configuration, large or small. **Smooth-Sil™ 933 and 945** offer the convenience of a 1A:1B by volume mix ratio.

**Smooth-Sil™** silicone rubbers exhibit good chemical, abrasion and heat resistance. Cured **Smooth-Sil™ 933** meets flame rating standard.



**Smooth-Sil™ 940** molds can be used for making chocolate, ice trays, casting butter, baking and other food applications.

**Smooth-Sil™ 933** 33A Durometer  
• Flame Rated

**Smooth-Sil™ 936** 36A Durometer  
• Lower Viscosity

**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



## Equinox™ Putty

**Equinox™ Putty** can be easily mixed and applied by hand for making molds on the run. 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™ 35 Fast** 35A Durometer

**Equinox™ 38 Medium** 38A Durometer

**Equinox™ 40 Slow** 40A Durometer



## SORTA-Clear™

**SORTA-Clear™** rubbers are premium water white translucent silicones that are especially useful when extracting models via cutting.

**SORTA-Clear™** rubber is ideal for making prototype, jewelry or other molds where model visibility is important.

**SORTA-Clear™ 18, 37 & 40** are suitable for food grade applications.



**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



**Looks Just LIKE WATER**

**Encapso™ K** is perfect for encapsulating artificial floral stems. Encapsulate almost anything!

## Encapso™ K

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



## EZ~Spray™ Silicone 20 & 22

**EZ~Spray™ Silicone 20 and 22** silicone rubbers were developed for making high performance, re-usable vacuum bags. **EZ~Spray™ Silicone 20** is also available in 1500 ml cartridge units for use with Smooth-On's EZ~Spray™ Jr. spray gun (see pg. 48 for detailed spray equipment information).

**EZ~Spray™ Silicone 20** features a 3 minute pot life and 20 minute demold time compared to a 5 minute pot life and 45 minute demold time with **EZ~Spray™ Silicone 22**.

**EZ~Spray™ Silicone 20**  
• 20A Durometer

**EZ~Spray™ Silicone 22**  
• 22A Durometer

***EZ~Spray™ Silicone 20** is used to quickly create a large vacuum bag used in the production of luxury boats by Princess Yachts.*

## EZ~Spray™ Silicone 35

**EZ~Spray™ Silicone 35** is a 35A durometer silicone rubber developed specifically for spraying through the **EZ~Spray™ Jr.** Cartridge System. With minimal surface preparation, **EZ~Spray™ Silicone 35** can be sprayed onto vertical surfaces for making fast rubber molds of large surface areas.

***EZ~Spray™ Silicone 35** is used to repair rusty steel plates on the bottom of grocery store refrigeration units by creating a silicone liner.*

***EZ~Brush™** silicone quickly forms a continuous rubber vacuum bag for production of many Vapor Optimist racing boats.*

*The finished part displays a flawless surface. The **EZ~Brush™** silicone bag cut production time by 1/3.*

## EZ~Brush Vac Bag™ Silicone

**EZ~Brush™ Silicone** is a 20A durometer platinum silicone rubber specifically developed for making high performance, re-usable vacuum bags. **EZ~Brush™** is easy to mix/apply and can be applied to vertical surfaces without sagging. Because the bags are re-usable, long term material costs are greatly reduced.



# Lifecasting



REYNOLDS ADVANCED  
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**PERFECT  
Reproduction**

## Body Double™ Silicone

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

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™** is used by Frank Ippolito to make a mold of Neil Patrick Harris for a scene in the movie "Dracula's Daughters vs. The Space Brains."*

**Body Double™ Fast & Standard Set** are also both available in 400 ml cartridges. See dispensing guns on page 49.

**Body Double™ 25A Durometer**  
• Available in Fast and Standard Set

**Body Double™ Silk™ 25A Durometer**  
• Easily releases from closely cropped body hair

**Body Double™ Fast & Standard Set** were used to make a full body mold and silicone casting of a Batman suit.  
*Courtesy Ron Stillwell, MySuperHeroGuy.com*

## Body Double Silk™

**Body Double Silk™** is a self-releasing 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 excellent detail from any original model.

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

**Body Double Silk™** will last for many castings of almost any material including plaster, Matrix™ Neo™, wax, resins (Smooth-Cast™ urethanes, polyester, etc.).

**EASY  
Release**

**Body Double Silk™** captures perfect detail and releases easily from closely cropped hair-covered skin.





## Alja-Safe™ Powder Alginate Crystalline-Silica Free

**Alja-Safe™ Alginate** is suitable for making "temporary" molds of the face, hands and other body parts. (For making re-usable molds of any body part, use **Body Double™** silicone rubber.)

What sets **Alja-Safe™** apart? In addition to being an exceptional skin safe body molding material, **Alja-Safe™** alginate does not contain free crystalline silica (a known carcinogen). **Alja-Safe™** also captures detail better than other alginates, giving you a more accurate reproduction of your original.

**Alja-Safe™** is easy to use and cures quickly. It reproduces fine detail and makes an excellent temporary mold - good for one or two reproductions of any body part. You can then cast plaster, duoMatrix™ NEO™ (polymer modified gypsum) or Smooth-Cast™ 300Q ultra-fast urethane resin into the mold to make a reproduction.

**Crystalline-Silica FREE**

*Alja-Safe™ is great for quick, fun projects with endless possibilities like a hand-painted parrot.*

### Alja-Safe™ Powder Alginate

**Alja-Safe™ Acrobat™ Fiber Reinforced Alginate**

**Alja-Safe™ Breeze™ Liquid Alginate**

- World's First & Only Liquid Alginate

## Alja-Safe™ Acrobat™ Fiber Reinforced Alginate Crystalline-Silica Free

**Alja-Safe™ Acrobat™** is a fiber reinforced "non-sag" version of original **Alja-Safe™**

lifecasting alginate. **Acrobat™** is thicker and holds vertical surfaces allowing the user better control for making molds of the face, torso, etc. **Acrobat™** reproduces perfect detail from all body surfaces and is good for making temporary molds that can be used to make highly detailed reproductions cast in wax, plaster, duoMatrix™ NEO™ (polymer modified gypsum), platinum cure silicone or Smooth-Cast™ 300Q ultra-fast urethane resin. Like original **Alja-Safe™**, **Acrobat™** is skin safe and does not contain crystalline silica (a known carcinogen). For making re-usable molds of any body part, use Body Double™ silicone rubber.

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



**World's First & Only Liquid Alginate!**

## Alja-Safe™ Breeze Liquid Alginate Crystalline-Silica Free

No powder - no dust! **Alja-Safe™ Breeze** is a new liquid alginate which blends easily with water, creating a unique, skin safe moldmaking material. **Alja-Safe™ Breeze** is perfect for making 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.*

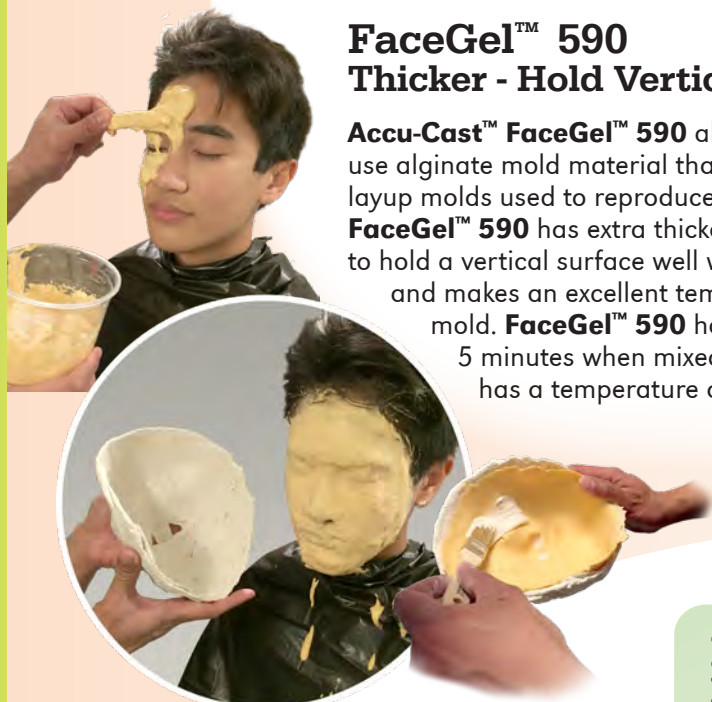






## FaceGel™ 590 Thicker - Hold Vertical Surface

**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

**Accu-Cast™ 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

**Accu-Cast™ 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 among other alginates in that, when 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

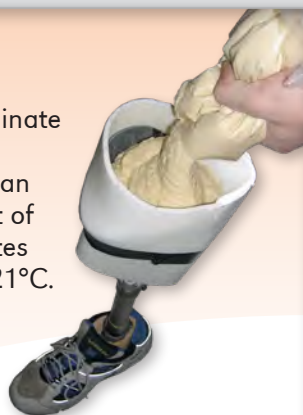
**Accu-Cast™ BodyGel™ 880** alginate is an easy to use alginate mold material that is an ideal choice for making molds which require coverage over a broad surface area of the body such as torsos or full body molds. **BodyGel™ 880** makes an excellent temporary lifecasting mold and has a set time of approximately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





## 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 going. 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.

### BodyGel™ 880

- 5 minute pot life
- 8 minute demold time

### BabyGel™ 2

- 2 minute pot life
- 3 minute demold time

### HandGel™ 570

- 3.5 minute pot life
- 5 minute demold time

### FaceGel™ 590

- 3.5 minute pot life
- 5 minute demold time

### 370-SD™

- 2 minute pot life
- 3 minute demold time

### Fun Silicone™

- 6 minute pot life
- 30 minute demold time

### LiquiStone™

- 15 minute pot life
- 3 hours demold time

## FUN Silicone™

**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 stone 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.



# Silicone Accessories



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## For Use With Tin-Cure Silicones

### Accel-T™ Silicone Accelerator

is a one-component additive that will reduce the cure time of Smooth-On tin-cure silicone rubber compounds.

### Fast Cat™ 30 Cure Accelerator For Mold Max™ 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.



**FastCat™ 30** is used with **Mold Max™ 30** to make a mold of this frozen alligator.

## For Use With Platinum-Cure Silicones

### Skin Tite™ Silicone Adhesive

is a certified skin safe silicone used to create fast wounds, scars and skin effect appliances directly to the skin. It can also be used to adhere silicone appliances or silicone masks to the skin.



**Q-Ballz™** is a single component liquid that can be used as a bald cap plastic or for encapsulating silicone gel prosthetic appliances. Thin with acetone to airbrush material into a mold (or over a plastic head form) for creating a membrane. The edges of a silicone prosthetic appliance encapsulated in **Q-Ballz™** can be dissolved away with acetone. **Q-Ballz™** can also be used to create bald caps on an appropriate head form.

### Slo-Jo™ Silicone Retarder

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

### Plat Cat™ Silicone 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. It also alters the rebound properties of the silicone, making it feel more like human tissue. Pieces created with **Slacker™** will not exude silicone oil, eliminating a common problem with other softening methods.



### Derma-tac™ Silicone Makeup Appliance Adhesive & 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.



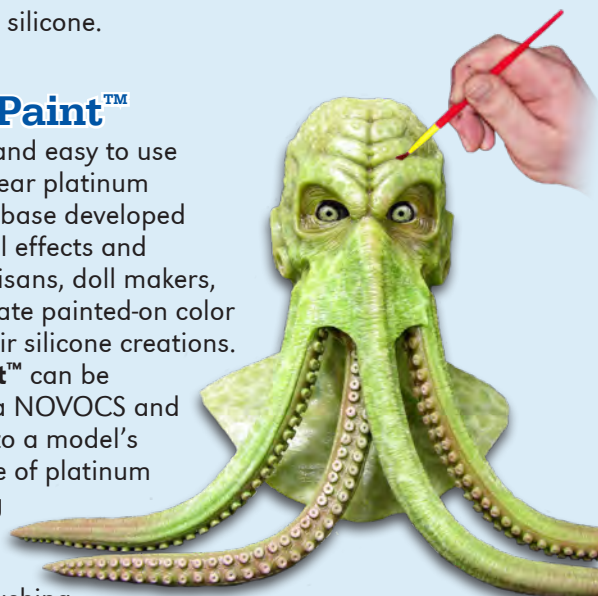
### SLIDE™ STD Liquid Surface Tension Diffuser

greatly reduces surface tension when added to platinum cure silicone.

### Psycho Paint™

is a versatile and easy to use translucent clear platinum silicone paint base developed to help special effects and prosthetic artisans, doll makers, etc. easily create painted-on color effects for their silicone creations.

**Psycho Paint™** can be thinned with a NOVOCS and then applied to a model's surface (made of platinum silicone) using an airbrush. It can also be applied by brushing. Works with **Silc Pig™** pigments. Colored **Psycho Paint™** will bond to the model's surface and offers good abrasion resistance. It is very strong and will stretch and bend with the model without cracking or peeling.



### FuseFX™

**FuseFX™** platinum silicone paint is simple and easy to use, achieving perfect tones, hue and color depth, bringing you the simplest way to replicate the look of human skin.



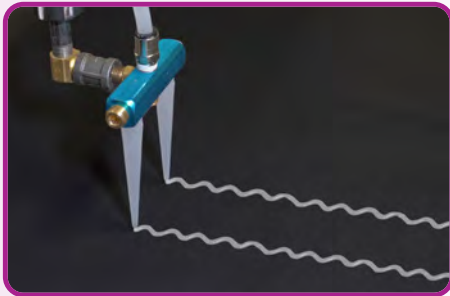
## General Use Silicone Accesories

### 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.



- Customized 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.

### 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.

## Pigments 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, offer excellent dispersion and consistent color.



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



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).



\*Pantone values are approximate.



# Urethane Rubbers



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

Used for hundreds of industrial and art-related applications, urethane rubbers are easy to use and exhibit good wear resistance. They can be poured, brushed on or sprayed onto most prepared surfaces and cure with negligible shrinkage. They are economical, reproduce exceptional detail and are best suited for production casting of concrete, gypsum and wax.

## VytaFlex™ Series with



Using Smooth-On's exclusive "V-Polymer" technology, **VytaFlex™** urethane rubbers offer superior abrasion resistance for casting concrete.

*Best for Casting Concrete*



**Above:** Pouring **VytaFlex™ 40** to create stone veneer molds.

**Right:** Finished stone veneer on display.

**VytaFlex™** molds can last for hundreds of castings.



**Above:** Peeling back the mold liner created using **VytaFlex™ 60** liquid mold rubber from the original wall model.



After Hurricane Katrina hit New Orleans, native Chep Morrison used **VytaFlex™ 60** liquid mold rubber to create pre-cast concrete walls for building hurricane proof housing.

<b>VytaFlex™ 10</b>	10A Durometer
<b>VytaFlex™ 20</b>	20A Durometer
<b>VytaFlex™ 30</b>	30A Durometer
<b>VytaFlex™ 40</b>	40A Durometer
<b>VytaFlex™ 45</b>	45A Durometer
<b>VytaFlex™ 50</b>	50A Durometer
<b>VytaFlex™ 60</b>	60A Durometer

## ReoFlex™ Series

*Best for Casting Gypsum, Wax, Etc.*

**ReoFlex™** urethane rubbers offer a convenient one-to-one by volume mix ratio and are used for a variety of applications including making molds to make architectural elements, as well as for making rubber props and prototypes. These rubbers will meet the stringent demands of production casting of wax, plasters and other materials.

La Ferla Plastering of Torrance, California specializes in creating exquisite ornate plaster work. **ReoFlex™ 40** was used to create this ceiling dome mold used to cast hundreds of parts.



<b>ReoFlex™ 20</b>	20A Durometer
<b>ReoFlex™ 30</b>	30A Durometer
<b>ReoFlex™ 40</b>	40A Durometer
<b>ReoFlex™ 50</b>	50A Durometer
<b>ReoFlex™ 60</b>	60A Durometer



# Urethane Rubbers

**LOWER  
Cost!**

## 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 cures quickly. They do have lower physical properties compared to **PMC™** Series rubbers but are suitable for many industrial applications including making highly impact resistant prototype parts, fast pour-in-place gaskets and concrete burial vaults.



**PMC™ 780**  
pigmented with  
**SO-Strong™** tints is used for molding  
tough and abrasion resistant  
concrete stamping pads.

## PMC™ Industrial Series

The **PMC™** Industrial Series are premium performance urethane rubbers that offer exceptional strength, durability, abrasion resistance and are often used to create industrial parts, concrete molds and ball mill liners.

<b>PMC™ 121/30</b>	30A Durometer
<b>PMC™ 121/50</b>	50A Durometer
<b>PMC™ 724</b>	40A Durometer
<b>PMC™ 744</b>	44A Durometer
<b>PMC™ 746</b>	60A Durometer
<b>PMC™ 770</b>	70A Durometer
<b>PMC™ 780</b>	80A Durometer
<b>PMC™ 790</b>	90A Durometer



**Hyde Park Mouldings of NY** used **Brush-On™ 40** to restore the complex architectural elements at the historic **Regent Hotel** in Manhattan.

**TOUGH &  
Durable**

<b>Brush-On™ 35</b>	35A Durometer
<b>Brush-On™ 40</b>	40A Durometer
<b>Brush-On™ 50</b>	50A Durometer
<b>Brush-On™ 60</b>	60A Durometer
<b>EZ-Mix™ 40</b>	40A Durometer

## Brush-On™ Series

Smooth-On's **Brush-On™** Series mold rubbers are known for their abrasion resistance and high tear strength.

**Brush-On™** rubbers paint onto vertical and inverted surfaces without sagging.

## EZ-Spray™ 45

**EZ-Spray™ 45** sprays easily using the **EZ-Spray™** Junior Cartridge System to make a fast mold of vertical areas.

Once a support shell is applied, you may cast a variety of materials including wax, gypsum, urethane and epoxy resins, and concrete.



**EZ-Spray™ 45** was a quick solution to a restoration project at a Georgia Hotel's grand re-opening. The piece could not be taken down to be molded for fear that it would just crumble apart.



# Urethane Rubbers



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## 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.



**Clear Flex™ 30**  
is flexible and does not contain mercury or phthalates.

**UV  
Resistant**

## Clear Flex™ Series

**Clear Flex™ Series** urethane rubbers are water white clear material designed for applications that require absolute clarity and UV resistance.

**Clear Flex™ 30** offers convenient 1A:1B by volume mix ratio. Vibrant colors are achieved by adding pigments.

**Clear Flex™ 30** 30A Durometer  
**Clear Flex™ 50** 50A Durometer  
**Clear Flex™ 95** 95A Durometer

## Compat™ 45

**Compat™ 45** urethane is a unique urethane rubber which will not inhibit the cure of most Smooth-On platinum or tin cure silicone rubbers. It features a low viscosity for easy mixing and pouring and cures with minimal bubble entrapment. Mix ratio is 1A:1B by volume (85A:100B by weight), pot life is 25 minutes and the rubber cures with an ultimate Shore hardness of Shore 45A. Cured rubber is dimensionally stable (low shrinkage), offers good wear resistance 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.

**Non-Inhibiting  
Urethane Rubber**



**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.**



## Smooth-Cast™ Series

Smooth-Cast™ plastics offer tremendous versatility and economy. They are easy to use and available as rigids or semi-rigids. You can add different colors and/or fillers for an infinite variety of mind-blowing effects. Perfect for casting detailed models, props and cast effect pieces.

### 300, 320 Series

**Smooth-Cast™ 300 and 320** series plastics are ultra-low viscosity resins that yield castings that are bright white (300 Series) or off-white (320 Series). Vacuum degassing is not necessary and they offer the convenience of a 1:1 mix ratio. Fully cured castings are machinable and paintable.

#### 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
- 2 - 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



## ColorMatch™ 325 Series

**Smooth-Cast™ ColorMatch™** plastics were developed specifically for adding color. Small amounts of **SO-Strong™** & **Ignite™** color will yield accurate, vivid colors. They are also ideal for creating marble and wood grain casting effects, or duplicating the look of real metal.

#### 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



## ONYX™

This resin cures quickly to a deep black finish. **ONYX™** offers a higher heat resistance, up to **250°F/121°C**, and the cured plastic can be polished.

#### 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



**325 Series with SO-Strong™ tints and URE-FIL™ fillers or Metal Powders** create marble, metal and wood grain casting effects.



# Smooth-Cast™ Series (cont'd)



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## Semi-Rigid Series

**Smooth-Cast™ 45D, 60D, 61D, and 66D** are low-cost semi-rigid plastics that offer excellent impact resistance.

**Smooth-Cast™ 65D and 57D** have a unique gradual cure profile making them ideal for rotational casting applications.

### 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** is used to create this large, lightweight rotational casting.



**IMPACT RESISTANT**

**Smooth-Cast™ 45D and SO-Strong™ tints** were used to make a police nightstick prop.

**Feather Lite™** allows Justin Edwards of Xentric Guitars to cast unique instruments that are also lightweight.

## Feather Lite™ Low Density Resin

**Feather Lite™** plastic is so lightweight, **it actually floats in water!**

Cured plastic can be carved, machined, drilled, sanded, etc. Used for a variety of art or industrial design related applications including reproducing sculpture, making fishing lures, prototype model making, casting doll heads and figures, and more!

## 380 High Density Tooling Resin

**Smooth-Cast™ 380** is a filled casting resin formulated for a variety of tooling applications. Its low viscosity ensures minimal bubble entrapment and the long term shrinkage of cured resin is very low. This material is very strong and can be machined, drilled, sanded, etc.



**SmoothCast™ 380** tool used to cast a black electronics utility housing.

## 385 Mineral Filled Liquid Plastic

**Smooth-Cast™ 385** is a casting resin that is very hard and durable. The material cures at room temperature with virtually no shrinkage with high compressive and flexural strength characteristics. Fully cured castings are tough, machinable, paintable and resist moisture and mild solvents.



**SmoothCast™ 385** is perfect for prototype parts like this boat propeller.



Do you need higher heat distortion temperatures, strength in ultra-thin sections, high impact or abrasion resistance or resistance to fire? TASK™ Plastics were developed with these applications in mind, and many more.

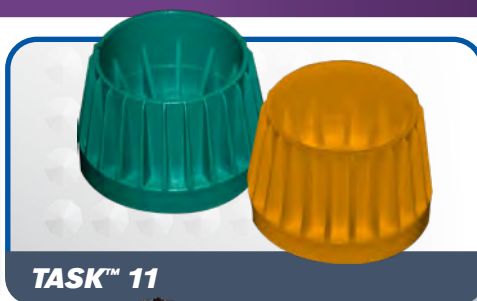
## TASK™ Series

TASK™ plastics are a higher grade of performance urethane casting resins that offer superior physical properties compared to our popular **Smooth-Cast™** line of general purpose casting resins. TASK™ plastics feature convenient mix ratios, low viscosities, high tensile and flexural strength.

**HIGHER  
Performance**



**TASK™ 2, 3**



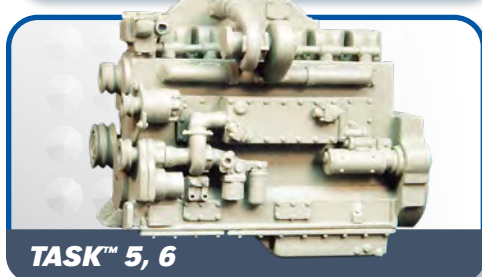
**TASK™ 11**



**TASK™ 4**



**TASK™ 13, 14**



**TASK™ 5, 6**



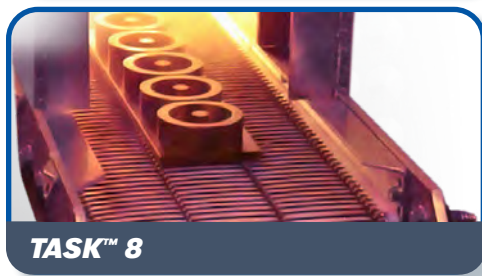
**TASK™ 15**



**TASK™ 7**



**TASK™ 16**



**TASK™ 8**



**TASK™ 18**



**TASK™ 9**



**TASK™ 21**

### 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

### 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

### TASK™ 23 & 24 Slow

- Ultra-high impact resistance tooling resin
- Good abrasion and chemical resistance



# Specialty Plastics



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

Reynolds Advanced Materials offer specialty plastics that go beyond conventional casting applications. Don't see what you are looking for? Talk to us and we will do our best to find a plastic for your project.

## Simpact™ Tough Urethane

**Simpact™** is a low odor, fast-setting urethane available in Shore 60A, 80A and 85A. **Simpact™** offers very high tear strength, impact resistance and wear resistance.

**Simpact™** is phthalate free, mercury free and MOCA free. Cured urethane has exceptional performance characteristics and dimensional stability.

**Simpact™** can be colored with SO-Strong™ or Ignite™ colorants.

**Simpact™** is suitable for making impact resistant props, prototypes and display pieces.



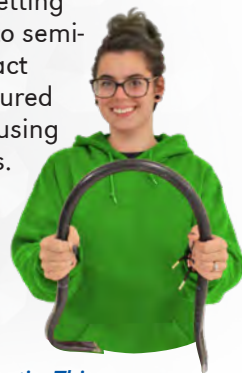
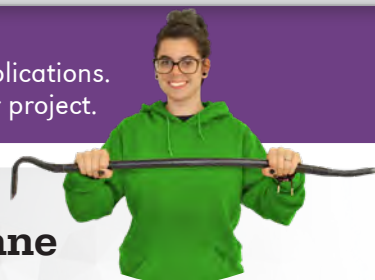
***Simpact™** and **KX Flex™** are on the border between being a rubber and a plastic. This attributes to its toughness and durability and makes it a favorite among product developers.*

## KX Flex™ Fast Setting Urethane

**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.

### 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.



## Crystal Clear™ Water Clear Liquid Resin

**Crystal Clear™** resins are unique water clear plastics that have been used for years to create spectacular display castings, prototype models, lenses, ice effects for movies and much more. Cured plastic is hard, durable and UV resistant.

***Crystal Clear™** sculpture sits on a mountain overlooking Hong Kong.*



### Crystal Clear™ 200

- 1/2" - 3" thick castings

### Crystal Clear™ 202

- 1/16" - 1/2" thick castings

### Crystal Clear™ 204

- 3" - 6" thick castings

### Crystal Clear™ 206

- Greater than 6" thick

### Crystal Clear™ 220

- Harder - easier to polish
- MUST BE HEAT CURED

### Crystal Clear™ 222

- MERCURY FREE
- MUST BE PRESSURE CAST

## SMASH!™ Breakaway Plastic

**SMASH!™** is 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 movie and stage productions.





## Shell Shock™ Brushable Liquid Plastic



*Shell Shock™ can be used to make molds or brushed into rubber molds for detailed, lightweight castings.*

sanded, primed and painted. **Shell Shock™** is ideal for making fast, lightweight rigid molds for creating silicone appliances and effects (use as a replacement for gypsum molds). You can also brush a "gel coat" into a rubber mold and back it up with rigid foam, creating a highly detailed lightweight casting.

### Shell Shock™ Fast

• 3 minute pot life • Full cure 1 hour at 3/8" thickness

### Shell Shock™ Slow

• 8 minute pot life • Full cure 5 hours at 3/8" thickness

**Shell Shock™ FAST** and **Shell Shock™ SLOW** are thixotropic plastics that self-thicken when mixed and can be brushed onto vertical surfaces or into rubber molds. Material cures at room temperature with virtually no shrinkage to a hard, durable plastic. Fully cured castings are rigid and can be



## 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.

*Cured **Plasti-Paste™ II** is tough and highly impact resistant.*



*Support shells can be quickly applied to rubber molds with our **EZ~Spray™** sprayable system.*

## EZ~Spray™ Plastic

**EZ~Spray™ Plastic** was specifically formulated to be mixed and sprayed via Smooth-On's **EZ~Spray™ Jr.** spray system. With high impact resistance, **EZ~Spray™** plastic is versatile and can be sprayed over a rubber mold to create "mother molds" or support shells. It can also be sprayed or meter mixed into rubber molds as a fast setting casting resin. Cured plastic is lightweight, tough and durable. **EZ~Spray™** plastic has a fast gel time for vertical surface application.



## EZ~Spray™ StyroCoat™ Sprayable Plastic Foam Coating

**StyroCoat™** plastic is formulated to coat 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. Large areas can be covered in a short period of time. Plastic is impact resistant and can be sanded for priming and painting. **StyroCoat™** can also be sprayed into a rubber mold for making fast, thin walled castings.



*Peter Yerke displays the **StyroCoat™** coated foam leaves for the base of the strawberry at the "Give Kids the World" charity theme park, Kissimmee, FL.*



# Rigid Foams



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

Mix & pour urethane foams are versatile and easy to use. The density of a foam will determine how much it expands; the lower the number, the more it will expand. Rigid foams can be used to make lightweight castings, create special effects or provide lightweight reinforcement to resins and other materials.

## FOAM-iT!™ Series Rigid Urethane Foams

**FOAM-iT!™** expanding urethane foams are available in 3, 4, 5, 8, 10, 15 and 26 pound densities.

<b>FOAM-iT!™ 3</b>	• 18X expansion • 1 min pot life.
<b>FOAM-iT!™ 4</b> (Also available in Black)	• 14X expansion • 1.5 min pot life
<b>FOAM-iT!™ 5</b>	• 10X expansion • 1.5 min pot life
<b>FOAM-iT!™ 8</b>	• 8X expansion • 1.5 min pot life
<b>FOAM-iT!™ 10</b>	• 6X expansion • 1.5 min pot life
<b>FOAM-iT!™ 10 SLOW</b>	• 6X expansion • 3.5 min pot life
<b>FOAM-iT!™ 15</b>	• 4X expansion • 1.5 min pot life
<b>FOAM-iT!™ 26</b>	• 2X expansion • 1.5 min pot life



8oz. of each **FOAM-iT!™** material poured into a 32oz. cup.

**STRONG & Lightweight**



**Casting Weighs 28lbs!**



**FOAM-iT!™ 10** cast from a mold of a chest and painted to be used as a coffee table that is both strong and lightweight.

**EZ~Spray™** expandable rigid foam is used to create large, lightweight elements. **EZ~Spray™** sprayable foams also increase productivity by reducing production time and costs.



**Foam Outdoor Speakers**

## EZ~Spray™ Sprayable Rigid and 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. System**.

**EZ~Spray™ Foam** cures quickly to a strong, lightweight and impact resistant 12lb. (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.



## FlexFoam-iT!™ Series Flexible Urethane Foams



**FlexFoam-iT!™** flexible foams are available in 3, 4, 5, 6, 7, 8, 10, 14, 17, 23 and 25 pound densities. They are the strongest flexible casting foams available anywhere. Vibrant colors can be achieved by adding color pigments. Ideal for making props, industrial and special effect applications, padding/cushion material and gasket material.

<b>FlexFoam-iT!™ III</b>	• 15X expansion	• 35 second pot life
<b>FlexFoam-iT!™ IV (Tuff Stuff)</b>	• 13X expansion	• 30 second pot life
<b>FlexFoam-iT!™ V</b>	• 11X expansion	• 50 second pot life
<b>FlexFoam-iT!™ 6 (Pillow Soft)</b>	• 10X expansion	• 35 second pot life
<b>FlexFoam-iT!™ 7 FR (Flame Rated)</b>	• 8X expansion	• 35 second pot life
<b>FlexFoam-iT!™ VIII (Pillow Soft)</b>	• 7X expansion	• 35 second pot life
<b>FlexFoam-iT!™ X</b>	• 6X expansion	• 50 second pot life
<b>FlexFoam-iT!™ 14</b>	• 4X expansion	• 60 second pot life
<b>FlexFoam-iT!™ 15 (Tuff Stuff)</b>	• 4X expansion	• 2 minute pot life
<b>FlexFoam-iT!™ 17 (Self Skinning)</b>	• 3.5X expansion	• 60 second pot life
<b>FlexFoam-iT!™ 23FR (Flame Rated)</b>	• 2X expansion	• 90 second pot life
<b>FlexFoam-iT!™ 25 (Self Skinning)</b>	• 2X expansion	• 90 second pot life



## Soma Foama™ 15 & 25 Flexible Silicone Foams

**Soma Foama™ 15 & 25** are soft, two-component platinum silicone flexible foams. They are versatile, easy to use and can be poured into a mold or over other surfaces. Compatible with platinum silicone rubbers, cured foam has high heat resistance (up to 350°F / 176°C).

**Soma Foama™ 15 & 25** produce lightweight, flexible castings. They can be used for a variety of industrial and special effects applications including making foam filled appliances, padding/seat cushioning, orthotics/orthopedics, potting and encapsulation of electrical circuits and vibration dampening.





# Urethane Accessories


**REYNOLDS ADVANCED MATERIALS**

MATERIALS FOR MAKING THINGS™

## Coatings & Colorants

### UreCoat™ Indestructable Urethane Rubber Coating

Bonds to Many Surfaces to Create a Tough, Long Lasting, Flexible Coating!

Urethane Rubber • Latex Rubber • Metal • Resins • Foams • Wood • Fabrics etc...

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 the substrate.

**FLEXIBLE & TOUGH**


"Gnoll" (from D&D) mask sculpted by Artist Jeremy Oneail • Oneail FX Studios

### UreCoat™ Matting Powder

is dissolved in solvent (99% isopropyl alcohol or acetone) and then mixed with UreCoat™ Urethane to create a coating that can be applied to a variety of surfaces to eliminate gloss or shine. Coating can be brushed or sprayed using an HVLP spray gun onto some surfaces to create a lasting matte finish. Compatible surfaces include Smooth-On flexible urethane elastomers, urethane foams and epoxies.

### SO-Strong™ Colorants

SO-Strong™ liquid urethane colorants can be added to any Smooth-On liquid urethane rubber, urethane plastic or urethane foam. They can be used to create a variety of color effects for a wide range of material applications.

SO-Strong™ tints are highly concentrated, offer excellent dispersion and consistent color. A small amount will color a large amount of urethane.



Available in a 9-pack Color Sampler.



### UVO™ 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. Coloring resin to resist fading and yellowing from sunlight and other Ultra Violet light sources is a challenge for any one who makes signage, themed environments, or art related elements. UVO™ pigments are designed with these challenges in mind and produces castings and coatings that will not require labor intensive priming and painting.



Available in a 9-pack Color Sampler.



## F/X Powders For Urethane



**Aluminum**

**Bronze**

**Brass**

**Copper**

**Nickel/Silver**

### Metal Powders For Cold Casting

#### Metal Powder + Resin

the process of mixing metal powder with a resin, produces finished castings with the appearance and weight of solid metal at a fraction of the cost.



*Cold cast resin has the look and feel of a real bronze foundry piece.*

### GLITTERS

- \* Flamus Red
- \* Gold Rush
- \* Fish Scale Gold
- \* Silver Ghost

### METALLICS

- \* Blueberry Pie
- \* Bronzonker
- \* Copper Tone
- \* Goldfinger
- \* Marshmallow Cream
- \* Mustard Shimmer
- \* Red Devil
- \* Steel Blue
- \* Boysenberry
- \* Cherry Fizz
- \* Grape Soda
- \* Magenta Pop
- \* Metallic Green
- \* Pig Iron
- \* Silver Bullet
- \* Teal Dream

### PEARL ESSENCE

- \* Pearly Blue
- \* Pearly Green

### 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!



### Quarry Tone™ Granite FX Filler Powders

**Quarry Tone™** Powders are the fastest way to create realistic granite and stone effects in minutes!



**TEN**  
Variations to  
Choose From!





# Urethane Accessories



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## Urethane Fillers

### URE-FIL™ Fillers

**URE-FIL™** fillers disperse easily in Smooth-On materials. They can be added in different proportions to achieve a variety of working properties and effects. Some fillers are designed for cost-savings, others are designed for specific casting effects or improved physical properties. Other **URE-FIL™** fillers are designed specifically for thickening materials for brush-on or trowelable application.



**URE-FIL™ 5** added to resin to produce wood 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.

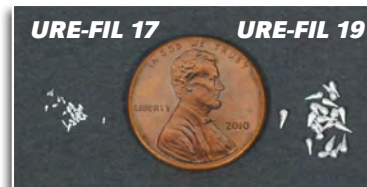


**URE-FIL™ 15** added to reduce weight.

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



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



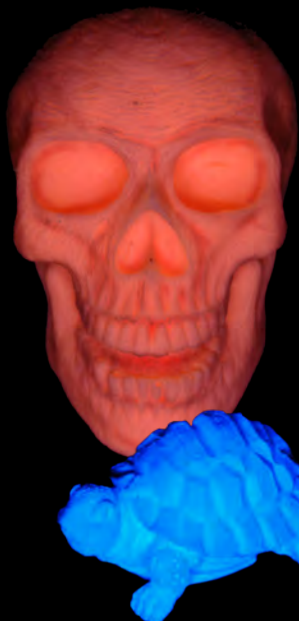
## Urethane Additives

### Ignite™ Fluorescent Pigments

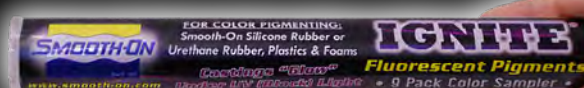
The **Ignite™** line of liquid fluorescent colorants is compatible with Smooth-On urethane rubbers, urethane plastics, urethane foams (rigid and flexible) and silicones. The fluorescent or "glow" effect is maximized under ultra-violet light or "black light." The most dramatic color effect is realized when an **Ignite™** colorant is used with a clear or translucent urethane rubber (such as Clear Flex™ 50) or plastic (such as Smooth-Cast™ 325).

#### What Makes Castings Made With Ignite™ Pigments Appear To Glow?

When you add **Ignite™** fluorescent color to a urethane material, more ultraviolet light from the cured material is visible to your eye vs. castings made with SO-Strong™ colorants. The casting appears brighter in ambient light and appears to glow under ultraviolet light.



Magenta Orange White  
Green Purple Yellow  
Red Blue Pink



Available in a 9-pack Color Sampler.



## Urethane Colorants & Additives

# GLOW Worm®

### Phosphorescent Powders for Making "Glow In The Dark" Castings

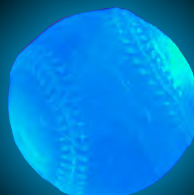
PHOSPHORESCENT POWDERS  
AVAILABLE IN:

**Purple Passion, Blue/Green, Mint Green, Electric Yellow, Creamsicle, Flamingo Pink, Bold Blue & Yellow/Green**

**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.



Blue/Green in Smooth-Cast™ 325  
Daylight Versus Glow Color



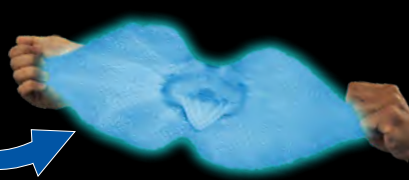
### Cryptolyte™ UV Glow Additive

Translucent liquid additive that causes cured Smooth-On rubbers, plastics or foams to glow a bright blue under a focused ultra violet light source (blacklight). You will not see the glow effect without an UV light source. When mixed at low percentages it will not affect clarity or color of material. For example, **Cryptolyte™** can be added to Crystal Clear™ water clear resins and the glow effect will not be evident until the casting is illuminated by a UV light source.



Under  
Natural Light

Under UV Black Light



### Sun Devil™

additive is a one component liquid that will slow color change and physical degradation due to UV exposure for many Smooth-On liquid urethane products.

### SO-CURE™

cure accelerator is designed to accelerate the cure time of some Smooth-On urethane liquid plastic products without significantly affecting ultimate physical properties.

### Kick-it!™

cure accelerator is designed to "accelerate" the cure time of some Smooth-On urethane liquid rubber products without significantly affecting the ultimate physical properties.

### SO-FLEX™ II

is a phthalate free softening agent that will lower the cured durometer of a variety of Smooth-On flexible polyurethane products.

### XTEND-IT™

is a dry gas blanket designed to extend the shelf life of unused moisture sensitive polyurethane products. Applying XTEND-IT™ to the unused portion of a liquid polyurethane system will minimize residual moisture in the container and significantly extend the shelf life of what remains.



# Adhesives



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## Epoxy Adhesives



### Super Instant™ Rapid Adhesive

**Super Instant™** Epoxy is a two component, clear amber adhesive designed to provide rapid bonding. **Super Instant™** adheres to metals such as steel, aluminum and brass, to wood, glass, masonry and many hard plastics and other substrates.



**Super Instant™** Epoxy is also available in 200 ml cartridges. See dispensing gun on page 49.

### PC-3™ Laboratory Tabletop Epoxy Adhesive

**PC-3™** Laboratory Tabletop Cement is a two-component, black epoxy resin compound designed to join, bond and caulk sections of laboratory counters and tables. The epoxy resin cement is heavily filled and will adhere to vertical surfaces without sagging.



### Metalset™ A4 Aluminum Filled Epoxy Adhesive

**Metalset™ A4** is a powerful epoxy adhesive that has been used for years by all branches of the U.S. Military as well as every major airline and auto manufacturer in the world. A4 is used for hundreds of industrial bonding applications and offers excellent adhesion to porous or non-porous surfaces.

### EA-40™ Laminating Epoxy Adhesive

**EA-40™** Clear Amber Epoxy is an unfilled low-viscosity epoxy adhesive. **EA-40™** is versatile and can be used for many different projects. Bow makers use **EA-40™** as a laminating resin. **EA-40™** provides highly moisture resistant bonds meeting the performance requirements for Federal Specification MMM-A-188, Type III.



### MT-13™ Premium Epoxy Adhesive

**MT-13™** is a premium performance epoxy for applications requiring maximum holding power and water resistance. **MT-13™** is a two component epoxy adhesive cement which is mixed in equal parts by volume and gels in a few hours. It adheres extremely well to both porous and non-porous surfaces. **MT-13™** is widely used by the boating industry for assembly and general repair.





## Silicone & Urethane Adhesives

### Sil-Poxy™ Silicone Adhesive

**Sil-Poxy™** is a one component adhesive made specifically for bonding RTV silicone rubber to silicone rubber and other substrates. **Sil-Poxy™** will work with tin cured or platinum cured silicones and provides a strong, flexible bond between silicone parts with high elongation.

**Sil-Poxy™** can be used to repair torn silicone rubber molds. Other applications include bonding silicone for prosthetics and animatronics.



### 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.



*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.*

### URE-BOND™ II Urethane Adhesive

**URE-BOND™ II** is a two component urethane adhesive compound that offers a strong flexible bond between many different surfaces. **URE-BOND™ II** is ideal for adhering polyurethane rubber and other polymer products 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™ 90

**URE-BOND™ 90** is 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.

### Black Panther™ 85

**Black Panther™ 85** is 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.





# Casting Epoxies



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™



**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.

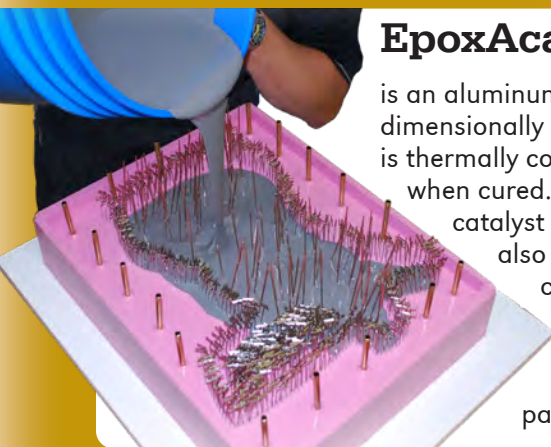
**EpoxAcast™ 650** is a mineral filled general purpose casting epoxy that is low cost and versatile. It features a low mixed viscosity for minimal bubble entrapment.

Choose Fast, Medium or Slow catalyst to fit your project. You can also use **HT Hardener** to give your castings higher heat resistance.

**EpoxAcast™ 650** is used for making hard dies for metal stamping as well as patterns and fixtures. It is also used for electrical encapsulation to extend the life cycles and enhance the performance of potted electronic devices. Available in off white or black.



**EpoxAcast™ 650** is used for encapsulating sensitive electronics.



## EpoxAcast™ 655

is an aluminum filled casting epoxy that is dimensionally stable even when mass cast. It is thermally conductive and fully machinable 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.



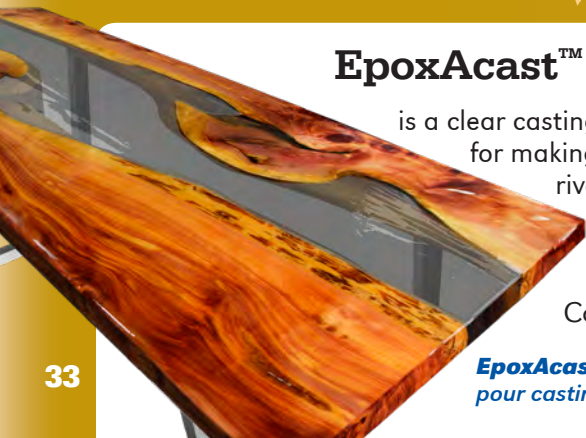
**EpoxAcast™ 655** is commonly used for vacuum forming dies.



## EpoxAcast™ 670 HT High Temp Castable Epoxy

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

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

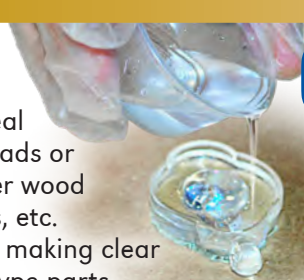


## EpoxAcast™ 690 & 692

is a clear casting epoxy that is ideal for making clear jewelry/beads or river tables and other wood working projects, etc.

Also suitable for making clear molds and prototype parts. Color with **UVO™** or **Ignite™** color pigments.

**EpoxAcast™ 692** for deep pour castings up to 2 inches.



**Optically Clear**

**EpoxAcast™ 690** used to develop optically clear lens for projector prototype.





# Laminating Epoxies & Accessories

## EpoxAmite™ 100 Epoxy Laminating System

**EpoxAmite™ 100** is an easy-to-use liquid epoxy system formulated for a wide variety of fabrication applications. **EpoxAmite™ 100** Laminating System is unfilled, low in viscosity, odorless and cures at room temperature. Cured epoxy displays exceptional physical and performance properties. It can be sanded, shaped, machined, drilled, tapped and painted.

**EpoxAmite™ 100** Laminating System can be used with reinforcements such as S-Glass, E-Glass, Kevlar and Carbon fibers for lay-up applications or composite parts. **EpoxAmite™ 100** Resin can also be mixed with fillers such as fumed silica for gel coat applications. **URE-FIL™ 3**, **URE-FIL™ 7** and other fillers can be added for fairing, filleting or bonding applications.

**EpoxAmite™ 100 Fast**  
**EpoxAmite™ 102 Medium**  
**EpoxAmite™ 103 Slow**  
**EpoxAmite™ White 100**  
**EpoxAmite™ White 102**  
**EpoxAmite™ HT** High Temperature

**THREE  
Speeds!**



Ultra-tough **EpoxAcoat™ RED** tool is ready to make composite parts for motorcycles.

## 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.).

**EpoxAcoat™ Red, Grey, White or Neutral**  
**EpoxAcoat™ HT**

## Fiberglass and Carbon Fiber Cloth

By the yard or by the roll. Together with our **EpoxAmite™** Laminating System or Polyester resin these fabrics can be used anywhere high strength parts are desired. Used in fabrication of composite parts for automotive, boat fabrication, architectural and theming fabrication, structural support, making mother molds (support shells) and adding reinforcement to cast parts.

**Fiberglass Veil**  
**Fiberglass Mat**  
• 1.5 oz.  
**Fiberglass Cloth**  
• 5.5 oz., 24 oz.  
**Power Mesh Cloth**  
**Carbon Fiber**  
• 5.8 oz.





# Epoxy Putties



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™



## Free Form™ Habitat™ & Free Form™ Habitat™ Fire Safe

### Free Form™ Habitat™ Epoxy Putties

are mix-by-hand putties that are used to create textured or 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).



**Colossal "Gore Magala" Dragon is the Hit of the Show** - Frank Ippolito ([www.frankippolito.com](http://www.frankippolito.com)) quickly fabricated a durable display model using **Habitat™** over carved foam. Scales and other details are perfectly sculpted and finished to dazzle E3 Gaming Show attendees. **Habitat™ Epoxy** is strong enough to stand on.

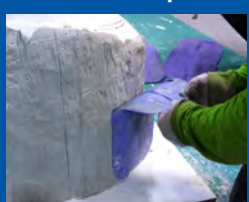
### 1. Create an armature



### 2. Apply epoxy



### 3. Texture stamp



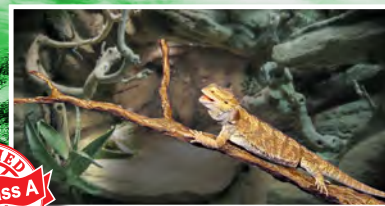
**Free Form™ Habitat™ Fire Safe** can be stamped with a silicone rubber stamp to create repeating patterns with intricate detail. Once cured it can be painted using acrylic paints.

### 4. Paint



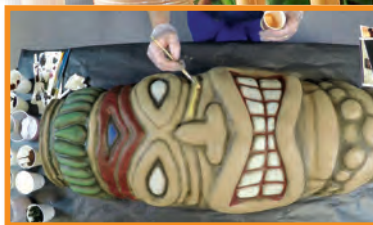
## Free Form™ Habitat™ Flex FR

**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.





## Habitat Cast N Coat™



is a heavily filled, pourable epoxy that can also be thickened with **Habitat™ Folding Powder** for brushing or trowelling onto vertical surfaces. It certifies to the highest flame rating (ASTM E84, Class A), making it especially suited for public space fabrication applications. Mix ratio is 1A:1B by volume, working time is about 1.5 hours and material cures overnight to a durable plastic that can be machined, sanded, painted, etc.

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.

**Cast N Coat™** works well to coat foam signage and props. It produces a glossy, smooth, easy to paint surface.

## Free Form™ AIR High Temperature, Fire Safe & Fast

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

**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** which was developed for theming companies that now 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 30 gram mass (1 oz) and handling time is 10 minutes (tack-free, hard surface).

## Free Form™ SCULPT Epoxy Putty

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



Once mixed thoroughly, **Free Form™ AIR Putty** is pressed into a form and stamped with a silicone stamp to create repeating patterns with intricate detail.

The finished tree is painted becoming a very durable, lightweight prop. The final piece is over 20 foot tall.



# Specialty Epoxies



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## 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.



**UV  
Resistant**

**Tarbender™** is used to create this comic book super hero themed end table. Comics pages are cut and glued onto table, then **Tarbender™** is poured across table surface. **Tarbender™** displays a high gloss, durable finish.



Comic book themed table concept, design and build by Sam McClellan, Los Angeles, CA

## Epsilon™ EPS Foam Coating Epoxy

is a two-part thixotropic epoxy coating that self thickens for brushing onto a variety of surfaces without sagging. This product was developed for fabricators that regularly coat EPS foam.

Cured material is easily sanded, primed and painted. When applying to vertical surfaces, **Epsilon™** wets out uniformly. Only 2 layers are required to build an adequate thickness and provide an impact resistant coating.



**Epsilon™** is used to coat large foam tusks for an archway show display. Courtesy of Frank Ippolito.



## Epsilon™ PRO Foam Coating Epoxy

is a thixotropic epoxy coating that self-thickens for brushing onto a variety of surfaces. Compared to original **Epsilon™**, **Epsilon™ PRO** offers a longer working time and cured epoxy is semi-rigid, offering better impact resistance.



**IMPACT  
RESISTANT**

**Epsilon™ Pro** is used to coat EVA foam to create Halo cosplay armor. Courtesy of Doc Daily Design.



# Specialty Epoxies & Accessories



## XTC-3D™ 3D Print Coating

**XTC-3D™** is a protective coating for smoothing and finishing 3D printed parts. This coating self-levels, wets out uniformly without leaving brush strokes, and cures to a hard, impact resistant coating that can be sanded, primed and painted. **XTC-3D™** is inexpensive to use (1 oz covers 100+ square inches) and adding colors and metal effects is easy.



## 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™** Epoxy Thinner 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**

**Epic™ is NOT A SOLVENT!**



# Polymer Modified Gypsum



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## Forton™ VF-812



## FORTON



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

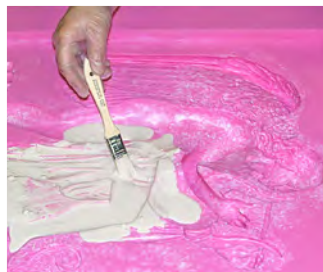


## duoMatrix™ -G

**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™ NEO™

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



**duoMatrix™** is strong and lightweight.

## 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.



**duoMatrix™** castings are weather resistant and durable.







# Polymer Modified Concrete

## Forton™ VF-774 Additive For GFRC

**Forton™ VF-774** is an all acrylic thermoplastic co-polymer emulsion that significantly improves long-term physical properties of glass fiber reinforced concrete (GFRC) and complies with PCI plant certification program specification MNL-130 Appendix G.

**Forton™ VF-774** also eliminates the 7-day wet cure required to achieve the maximum strengths of the GFRC matrix at 28 days.

### Additional Benefits of Forton™ VF-774 include:

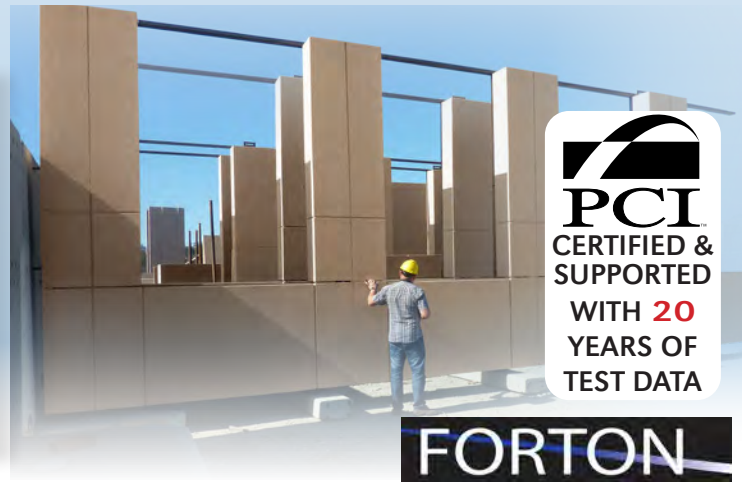
- Reduces crazing and drying shrinkage cracks
- Improved workability of the mix at low water/cement ratios
- Reduces moisture absorption
- UV stable
- Uniform distribution of pigments for batch to batch color consistency.



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



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

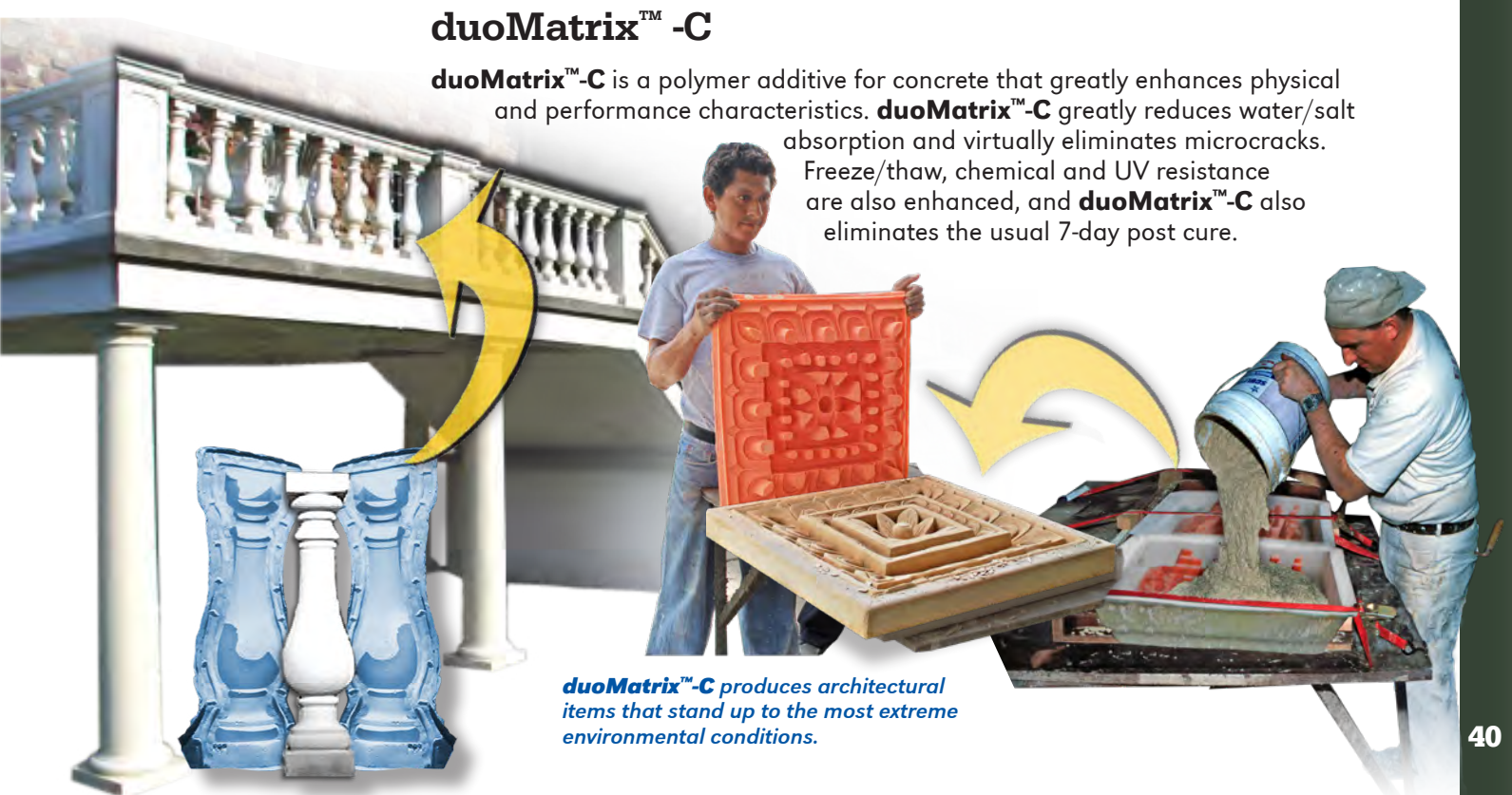


**PCI**  
CERTIFIED &  
SUPPORTED  
WITH **20**  
YEARS OF  
TEST DATA

**FORTON**

## 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.



# Gypsum / Plasters



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## USG Products

### No. 1 Casting Plaster

The industry standard for figurines, plaques, and lamp bases. Special additives maintain smooth-working qualities and upon drying, result in a hard working surface with reduced paint absorption and higher degree of chip-resistance.

### No. 1 Pottery Plaster

USG No. 1 Pottery Plaster is noted for outstanding performance and long life. The standard of the industry, it is the best material available for sanitary-ware and dinnerware slip casting.

### Hydro-Stone® Gypsum

Hydro-Stone® is recommended for producing high-quality novelty and statuary castings requiring extremely hard surfaces. This product is self-leveling when poured and not suitable for hollow cast applications.



### Hydrocal® FGR-95 Gypsum

Hydrocal® FGR-95 Gypsum Cement is specially formulated to set fast, develop high strength, and permit fabrication of strong, resilient glass-reinforced products. The superior fire retardant properties allow for safe, code-compliant installation in all types of public and private structures.



### Hydrocal® White Gypsum

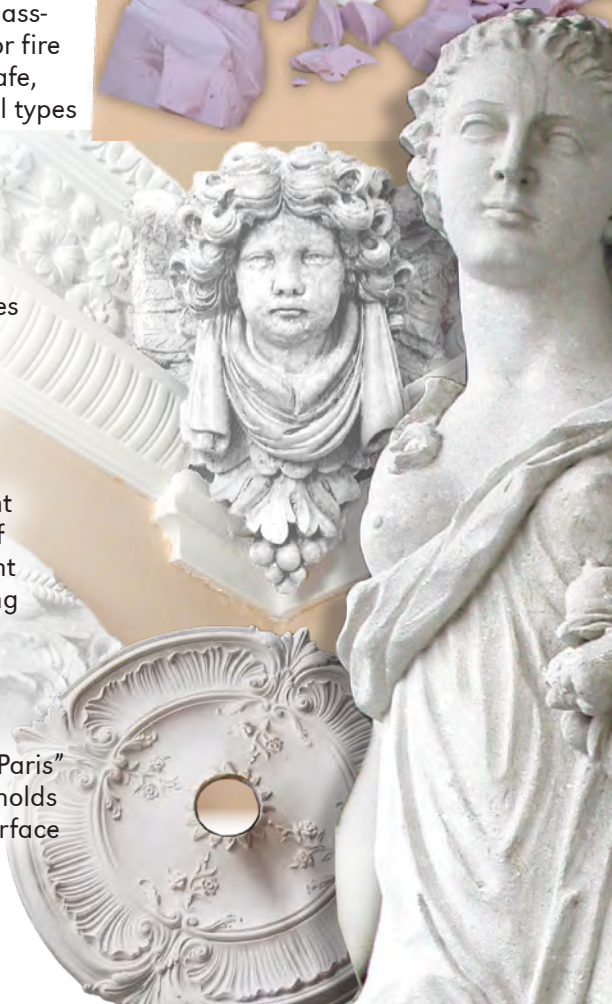
A good general purpose use product recommended for solid and hollow casting of lamp bases and figurines. Designed for thin sections that require high green strength to minimize breakage.

### UltraCal® 30 Gypsum

A super-strength gypsum cement that has the lowest expansion of any rapid-setting gypsum cement available. Ideal for splash-casting molds and models for phenolic, polyester and epoxy resins.

### No. 1 Molding Gypsum

Often referred to as "plaster of Paris" or soft plaster. Used for waste molds or temporary patterns where surface hardness and strength are not important.





## VERTICAL Application



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



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

*Captures  
Perfect Detail!*



*HX-974™ makes  
durable glove molds.*

*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 Pigments
  - HX-Ceco Powder™
  - HX-Barrier Coat™
  - HX-Stiffening Agent™
  - HX-Castor Oil™ & more!



**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 newly 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.





# Sculpting Materials



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## Chavant

The Finest Name in Modeling Clays

### Sulfur Free Fine Art Sculpting Clays

#### NSP™

**NSP™** holds exceptional surface details and is somewhat waxier and tougher than other Chavant products. NSP can be melted and poured at approximately 185°F.

#### LeBeauTouche™

**Le Beau Touché™** is a sulfur-free, extremely smooth, flexible and tacky sculpting Fine Art Plasteline with exceptional adhesive quality. The HM formula is less sensitive to heat variations and is suggested for use where working environments are expected to reach 90°F.

#### Sculptex®

NON-TOXIC MODELING CLAY

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

#### MONU-MELT™

**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 is sulfur-free, will not oxidize and can be left out or heated and cooled repeatedly without any significant change. This product should be melted in a range from 180° - 200°F.

#### PRIMA™

**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, is sulfur-free with a neutral, non-offensive odor and a natural tan color.

#### JOLLY KING BRAND™

**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-hardening modeling material.

#### Castilene™

**Castilene™** is a modeling compound that 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. The medium grade is great for detailing, and the hard grade is best for sharp detail.

#### FILL-IT™

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

### Sulfur Based Modeling Clays

#### ROMA PLASTILINA™

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

#### Professional Plasteline™

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

#### DaVinci™

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



### 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.



Reynolds Advanced Materials offers a variety of Modeling Clays and Sculpting Accessories for the discerning artist. Whether you're venturing into your first sculpting project or you're an experienced sculptor, we can supply you with the necessary tools and materials to get the job done.



## Free Form™ SCULPT™ Epoxy Putty

**Free Form™ Sculpt** 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. It is 30% lighter than similar products and holds vertical surfaces better. It has an ultra fine particle size that gives the user the ability to sculpt finer detail with better precision using tools or shaping by hand.



## Free Form™ Detailer™

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



## Monster Clay™

**Monster Clay™** is a re-useable sulfur free, professional oil/wax based sculpting medium. Composed entirely of non-toxic, food grade components, **Monster Clay™** has an ultra smooth formulation that features a low melt temperature and a low tack feel that will not stick to tools or fingers.

## AVES Apoxie Sculpt

AVES Apoxie Sculpt is a self-hardening synthetic clay that combines the features and benefits of clay with those of epoxies. It has a 3-hour working time and a 24-hour cure. It has 0% shrinkage, strongly adheres to most clean surfaces and is fully machinable, non-toxic and available in 10 colors plus two metals.



## Water Clay

Laguna Clay offers a variety of water-based clays, including the popular EM-217 (WED) clay, a clay that has a leathery finish with less cracking than most water based clays. Specially formulated to be a very smooth, slow drying clay for modeling.



## Sculpting Tools

An assortment of sculpting tools will help bring all your details to life. A must for fine work and efficiency.



## Sculpting And Sprue Waxes



J-Mac™



Argüeso



paramelt



# Starter Kits



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

*Create Realistic On-Skin Effects Quickly & Easily*



**Used By Hollywood Pros**

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



**Includes Step-By-Step Guide**

**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](http://www.smooth-on.com/zombiekit)

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

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

Please visit [www.smooth-on.com/bloodkit](http://www.smooth-on.com/bloodkit) to learn more about creating realistic blood effects.



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





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





# Sealers & Release Agents



**REYNOLDS ADVANCED MATERIALS**  
MATERIALS FOR MAKING THINGS™

## 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.

**Krylon Crystal Clear™**

Permanent protective acrylic coating has a glossy plastic finish. Dries in minutes, stays clear, will not inhibit silicone.

## Release Agents



**Mann®**  
RELEASE TECHNOLOGIES

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

**Ease Release™ 200 Series**

Releases silicone from silicone. Used with silicones, urethanes, & resins. A truly unique release agent.

**Ease Release™ 300 Series**

Used with urethane elastomers & epoxy.

**Ease Release™ 400 Series**

Used with EPDM, urethane & synthetic elastomers.

**Ease Release™ 500 Series**

Teflon based dry film mold release & dry lubricant.

**Ease Release™ 700**

Used with thermoplastics, melamine & polystyrene resins.

**Ease Release™ 2300 Series**

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.



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

## 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.



## Kwikkee™ Sprayer

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



## EZ~Spray™ Jr. Gun

The **EZ~Spray™ Jr.** is a versatile, convenient and easy-to-use spray system for spraying 1500 ml cartridges of **EZ~Spray™** mold making and casting materials for large projects. The **EZ~Spray™ Jr.** gun comes with 1 small tip assembly and 1 large tip assembly. Additional static mixers are available. Compressor not included.



## EZ-Mix™ Machine

The **EZ-Mix™** meter mix machine is a simple, yet effective way to quickly mix large amounts of mold rubber while reducing waste due to human error. Make large molds or many smaller molds quickly, the machine is compatible with 55-gallon drum units and 275-gallon tote units.



FOR URETHANE Rubber



## Reike Spout Valve Adapter Kit

The Reike Spout Valve Adapter Kit is designed to fit snugly inside the Reike brand pour spout which comes equipped with all five gallon buckets of Smooth-On material. The kit permits the pail to be stored on its side for more accurate and convenient pouring.



## Vacuum Chambers

Vacuum chambers are 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. Available in 1 gallon and 5 gallon sizes, the larger 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 Chamber

Pressure chambers are 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.





# Equipment & Tools


**REYNOLDS ADVANCED MATERIALS**

MATERIALS FOR MAKING THINGS™

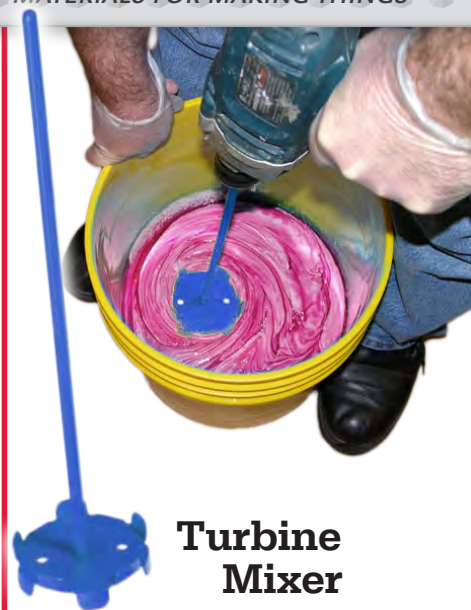
## Drierite™ Cartridges

These cartridges provide economical means for preventing moisture contamination in 55 gal. drums.



## Mixing Containers

Plastic mixing containers with graduated markings. Perfect for getting the proper mix ratios! Containers are available in 16 oz., 32oz., 64 oz., and 165 oz. sizes. Packaged in cases of 10, 50 or 100.



## Turbine Mixer

Used for mixing rubbers, plastics, and foams. It also mixes powder-based **Alja Safe™** alginate and **FORTON™ MG** complete with fiber better, and is easy to clean.

## Spreaders, Polypropylene 2", 4", 6"

Economical spreading tools that offer easy cleanup and good reusability.



## SurfaSolve™ Wipes

Offer a unique biodegradable formula that is powerful enough to instantly remove dirt, ink, resins, adhesives, urethanes and just about anything from hands without having to rinse with water.

## E-POX-EE KLEENER™ Hand Cleaner

**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.



## Digital Gram Scales\*

\*models may vary

A good quality gram scale is an important part of a fully stocked mold shop. Certain materials require that separate components be weighed out before mixing. In addition, small amounts of materials can be weighed out to maintain accuracy.



## Dispensing Guns

400 ml dispensing guns, available in both a manual and electronic version, holds **Body Double™**, **Dragon Skin™**, **Ecoflex™** as well as other cartridges. It forces the parts A & B through a static mixing tube. Squeeze the handles of the manual gun, or pull the trigger on the electric gun. A 200 ml manual dispensing gun is also available, and can be used with the **Super Instant™** Epoxy cartridges.





## Fiberglass Resin Tools & Accessories

### Fiberglass Mat

1.5 oz. chopped strand mat. Surface veil fiberglass.  
Available by the yard or roll.



### Fiberglass Chopped

1/2-inch chopped E-glass.  
Available in 10 & 50 lb. bags.



### Glass Fiber Cloth

Also known as 7500 9.6oz. Type class C Form 4.



### Aluminum Economy Rollers

Steel retention screw for long life, easy disassembly and fast cleaning.

### Gel Coat & Resin Cup Gun

This professional grade sprayer is a must for every fiberglass shop. This gun is ideal for spraying gel coat and resins into open molds. Replacement cups & tips sold.



## Vacuum Forming Sheets

High Impact Styrene  
Styrene Plastic  
ABS Plastic  
PETG Plastic



## Sculpting, Patina & Crank Stands



## Monster Makers Display Forms



Display forms are hollow cast, high density polyurethane foam. These forms can be used for sculpting, mask display, mold making, or disposable tooling applications.

### Latex-Free Bald Caps



### Chip Brushes



### Stir Sticks



### Latex-Free Gloves





## Silicone Rubber

Tin-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

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™ 27T	100:10 pbw	30,000 cps	45 min.	24 hrs.	27A	25.0	110 pli	400%	0.002	Translucent
Mold Max™ 25	100:5 pbw	25,000 cps	60 min.	24 hrs.	25A	23.5	130 pli	375%	0.001	Purple
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
Body Double™ Standard Set	1:1 pbv	Brushable	5 min.	20 min.	25A	23.7	40 pli	500%	<0.001	Purple
Body Double™ Fast Set	1:1 pbv	Brushable	90 sec.	7 min.	25A	23.7	40 pli	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	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	30,000 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™ 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
Ecoflex™ 00-33 AF	1:1 pbv	3,000 cps	45 min.	4 hrs.	00-33	26.0	38 pli	900%	<0.001	Translucent

Platinum-Cure Silicone Rubber



## Silicone Rubber cont.

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 %	Shrinkage (in/in) ASTM D-412	Color
Ecoflex™ 00-33 AF	1:1 pbv	3,000 cps	45 min.	4 hrs.	00-33	26.0	38 pli	900%	<0.001	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	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.	24 hrs.	33A	28.6	N/A	N/A	<0.001	Water Clear
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 Rated	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	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
Equinox™ 35 FAST	1:1 pbv	Putty	1 min.	7 min.	35A	21.3	140 pli	430%	.0003	Light Purple
Equinox™ 38 MEDIUM	1:1 pbv	Putty	4 min.	30 min.	38A	21.3	140 pli	430%	.0003	Light Purple
Equinox™ 40 SLOW	1:1 pbv	Putty	30 min.	5 hrs.	40A	21.3	140 pli	430%	.0003	Light Purple
EZ~Brush™ Vac Bag Silicone	1:1 pbv	Brushable	30 min.	3.5 hrs.	20A	25.7	120 pli	364%	<0.001	Translucent Green
EZ~Spray™ Silicone 20	1:1 pbv	11,000 cps	3 min.	20 min.	20A	25.6	90 pli	470%	<0.001	Translucent Green
EZ~Spray™ Silicone 22	1:1 pbv	11,000 cps	5 min.	45 min.	22A	25.6	92 pli	450%	<0.001	Translucent Green
EZ~Spray™ Silicone 35	1:1 pbv	Sprayable	1.5 min.	1 hr.	35A	24.1	92 pli	415%	<0.001	Purple



## 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 B Tear Strength ASTM D-624	Elongation at Break %	Shrinkage (in/in)	Color
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™ 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
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
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	Clear Amber
PMC™ -770	2:1 pbv	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	700%	<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
Econ™ 60	1:1 pbv	1,400 cps	6 min.	16 hrs.	60A	26.7	N/A	500%	<0.001	Clear Amber
Econ™ 80	1:1 pbv	1,200 cps	13 min.	24 hrs.	80A	26.2	77 pli	127%	0.0014	Translucent
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	23.7	80 pli	400%	<0.001	Off-White
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
Clear Flex™ 30	1:1 pbv	750 cps	15 min.	16 hrs.	30A	26.9	25 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
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



**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](http://www.P65Warnings.co.gov)



Product Name		Urethane Plastic									
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™ 45D	250 cps	5 min.	-	30 min.	45D	25.6	1,560 psi	100%	0.007	Translucent White	
Smooth-Cast™ 57D	300 cps	3 min.	-	30 min.	57D	26.4	2,420 psi	100%	0.012	Translucent White	
Smooth-Cast™ 60D	430 cps	5 min.	-	30 min.	60D	26.4	2,200 psi	30%	0.015	Translucent White	
Smooth-Cast™ 61D	430 cps	7 min.	-	60 min.	61D	25.6	1,800 psi	20%	0.015	Translucent White	
Smooth-Cast™ 65D	120 cps	2.5 min.	-	10-15 min.	65D	26.4	2,400 psi	20%	0.01	White	
Smooth-Cast™ 66D	120 cps	7 min.	-	60 min.	66D	26.4	2,400 psi	20%	0.01	Grey	
Smooth-Cast™ 300Q	80 cps	30 sec.	-	4-5 min.	70D	26.4	3,000 psi	5%	0.01	White	
Smooth-Cast™ 300	80 cps	3 min.	-	10 min.	70D	26.4	3,000 psi	5%	0.01	White	
Smooth-Cast™ 305	80 cps	7 min.	-	30 min.	70D	26.4	3,000 psi	7.5%	0.0065	White	
Smooth-Cast™ 310	80 cps	15-20 min.	-	2-4 hrs.	70D	26.4	3,000 psi	7.5%	0.0065	White	
Smooth-Cast™ 320	80 cps	3 min.	-	10 min.	70D	26.4	3,000 psi	10%	0.01	Off-White	
Smooth-Cast™ 321	80 cps	7-9 min.	-	30 min.	70D	26.4	3,000 psi	8%	0.007	Off-White	
Smooth-Cast™ 322	80 cps	10-20 min.	-	2-4 hrs.	70D	26.4	3,000 psi	8%	0.007	Off-White	
Smooth-Cast™ 325	100 cps	2.5 min.	-	10 min.	72D	25.9	3,170 psi	10%	0.01	Clear Amber	
Smooth-Cast™ 326	100 cps	7-9 min.	-	60 min.	72D	25.9	3,170 psi	10%	0.0075	Clear Amber	
Smooth-Cast™ 327	100 cps	10-20 min.	-	2-4 hrs.	72D	25.9	3,170 psi	10%	0.0075	Clear Amber	
Smooth-Cast™ ONYX™ FAST	100 cps	2.5 min.	-	10-15 min.	80D	27.7	5,840 psi	4%	0.01	Black	
Smooth-Cast™ ONYX™ SLOW	100 cps	5 min.	-	90 min.	80D	27.7	7,660 psi	3%	0.012	Black	
Smooth-Cast™ 380	1,140 cps	6 min.	-	60 min.	82D	15.9	3,550 psi	1.43%	0.0025	Tan	
Smooth-Cast™ 385	3,000 cps	20 min.	-	2 hrs.	85D	17.3	3,100 psi	1%	0.0006	Beige	
TASK™ 2	150 cps	7 min.	-	60 min.	80D	24.7	6,650 psi	6%	0.005	White	
TASK™ 3	150 cps	20 min.	-	90 min.	80D	24.7	6,650 psi	6%	0.0025	White	
TASK™ 4	250 cps	20 min.	-	16 hrs.	83D	23.9	6,500 psi	4%	0.0035	Ivory	
TASK™ 5	600 cps	3 min.	-	15 min.	77D	25.2	4,530 psi	5%	0.007	Tan	
TASK™ 6	800 cps	7 min.	-	75 min.	75D	25.9	5,200 psi	4%	0.0031	Tan	
TASK™ 7 Flame Out™	200 cps	2.5 min.	-	10 min.	73D	23.1	3,390 psi	15.1%	0.0111	White	
TASK™ 8	100 cps	2.5 min.	-	10-15 min.	80D	25.4	5,840 psi	4%	0.01	Off-White	



## 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 ASTM D-2240	Specific Volume (Cu. In./lb.)	Ultimate Tensile ASTM D-638	Elongation at Break % (Except T ASTM D-412)	Shrinkage (in/in) ASTM D-2566 (Except T ASTM D-412)	Color
TASK™ 9	1:1 pbv	300 cps	7 min.	-	60 min.	85D	24.3	7,800 psi	6%	0.009	Clear Amber
TASK™ 11 (Formerly C-1509)	100:100 pbw	2,000 cps	20 min.	-	16 hrs.	60D	24.7	2,500 psi	100%	0.0024	Milky Amber
TASK™ 13 (Formerly C-1515)	100:120 pbw	800 cps	3 min.	-	20 min.	95A, 50D	24.1	1,800 psi	125%	0.005	Black
TASK™ 14 (Formerly C-1520)	100:120 pbw	800 cps	10 min.	-	45 min.	95A, 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.	80A, 30D	25.6	2,264 psi	233%	0.0025	Light Yellow
TASK™ 18 (Formerly C-1508)	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
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.	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
Simpact™ 60A	1:1 pbv	1,100 cps	5 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
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
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
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



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†ASTM D - 2240



## Urethane Expanding Foams

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. Volumetric Expansion	Lbs./Cubic Foot	Color
Foam-iTi™ 3	1:1 pbv	200 cps	1 min.	20 min.	2 hrs.	504	18 times	3 lb/ft³	Beige
Foam-iTi™ 4	1:1 pbv	300 cps	1.5 min.	20 min.	2 hrs.	420	14 times	4 lb/ft³	Beige
Foam-iTi™ 4 BLACK	1:1 pbv	300 cps	1.5 min.	20 min.	2 hrs.	420	14 times	4 lb/ft³	Black
Foam-iTi™ 5	1:1 pbv	300 cps	1.5 min.	20 min.	2 hrs.	315	10 times	5 lb/ft³	Beige
Foam-iTi™ 8	2:1 pbw	300 cps	1.5 min.	20 min.	2 hrs.	194	8 times	8 lb/ft³	Off White
Foam-iTi™ 10	1:1 pbv	400 cps	1.5 min.	20 min.	2 hrs.	157	6 times	10 lb/ft³	Beige
Foam-iTi™ 10 SLOW	1:1 pbv	400 cps	3.5 min.	1 hr.	4 hrs.	157	6 times	10 lb/ft³	Beige
Foam-iTi™ 15	1:1 pbv	500 cps	1.5 min.	20 min.	2 hrs.	105	4 times	15 lb/ft³	Beige
Foam-iTi™ 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.	216	7 times	8 lb/ft³	Tan
FlexFoam-iTi™ III	1:2 pbv	1,000 cps	35 sec.	30 min.	2 hrs.	576	15 times	3 lb/ft³	White
FlexFoam-iTi™ IV Tuff Stuff	80:100 pbw	1,000 cps	35 sec.	30 min.	2 hrs.	346	10 times	5 lb/ft³	White
FlexFoam-iTi™ V	1:1 pbv	1,000 cps	50 sec.	30 min.	2 hrs.	346	10 times	5 lb/ft³	White
FlexFoam-iTi™ 6 Pillow Soft	1:1 pbv	1,000 cps	35 sec.	30 min.	2 hrs.	346	10 times	5 lb/ft³	White
FlexFoam-iTi™ 7 FR	1:1 pbv	1,000 cps	35 sec.	30 min.	2 hrs.	250	8 times	7 lb/ft³	White
FlexFoam-iTi™ VIII Pillow Soft	1:2 pbv	1,000 cps	50 sec.	30 min.	2 hrs.	216	8 times	8 lb/ft³	White
FlexFoam-iTi™ X	1:1 pbv	1,000 cps	50 sec.	30 min.	2 hrs.	173	6 times	10 lb/ft³	White
FlexFoam-iTi™ 14	1:2 pbv	1,000 cps	60 sec.	30 min.	2 hrs.	125	4 times	14 lb/ft³	White
FlexFoam-iTi™ 15 Tuff Stuff	1:2 pbv	1,000 cps	2 min	90 min	4 hrs	115	4 times	15 lb/ft³	White
FlexFoam-iTi™ 17	1:2 pbv	1,000 cps	60 sec.	30 min.	2 hrs.	102	3.5 times	17 lb/ft³	White
FlexFoam-iTi™ 23 FR	85:100 pbw	1,000 cps	90 sec.	60 min.	2 hrs.	68	2 times	23 lb/ft³	White
FlexFoam-iTi™ 25	1:2 pbw	1,000 cps	50 sec.	30 min.	2 hrs.	69	2 times	25 lb/ft³	White
EZ~Spray™ FlexFoam	1:1 pbv	1,000 cps	10 sec.	10 min.	15 min.	247	7 times	7 lb/ft³	White
Silicone Exapnding Foams									
Soma Foama™ 15	2:1 pbv	10,000 cps	30 sec.	20 min.	1 hr.	115	4 times	15 lb/ft³	Off-White
Soma Foama™ 25	1:1 pbv	10,000 cps	90 sec.	20 min.	1 hr.	69	2-3 times	25 lb/ft³	Off-White



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.	93B	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.	93B	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.	93B	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.*	93B	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.	93B	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.	93B	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.	93B	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.*	93B	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.	90D	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.	90D	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.	90D	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.*	90D	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.*	90D	20.51	4,500 psi	0.65%	13,000 psi	101,400 psi	Beige	
EpoxAcast® 690	-	100A:30B pbw	200 cps	5.0 hrs.	24 hrs.	80D	25.0	6,630 psi	1.8%	9,610 psi	91,300 psi	Clear	
EpoxAcast® 692**	-	100A:30B pbw	280 cps	5.0 hrs	24 hrs.	80D	25.0	6,630 psi	1.8%	9,610 psi	91,300 psi	Clear	

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\* 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)



Product Name		A:B Mix Ratio		Mixed Viscosity		Pot Life	Thin Film Working Time	Cure Time	Hardness (Shore D)	Specific Volume (Cu. In./lb.)	Tensile Elongation	Color	
Laminating/Specialty Epoxies													
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		5:1 pbv	Light Paste	20 min.	40 min.	16 hrs.	85D	18.5	N/A	Red or Grey			
EPSILON™ w/ 101 Hardener		100A:20B pbw	Variable	15 min.	45 min.	16 hrs.	75D	23.9	N/A	Beige			
EPSILON™ w/ 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			
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*			
XTC-3D™ SLOW		2:1 pbv*	4,000 cps	22 min.*	35 min.	5 hrs.*	65D	25.1	N/A	Clear*			
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			

\*See Technical Bulletin For More Information

\*\*Recoat Time

Time

Product Name		A:B Mix Ratio	Viscosity	Pot Life	Cure Time *	Hardness (Shore D)	Specific Volume (Cu. In./lb.)	Tensile Elongation	Color
Epoxy Putties									
Free Form™ -Habitat Black	1:1 pbv	Dough	60 min.	16 hrs.	85D	17.3	N/A	Dark Grey	
Free Form™ -Habitat Fire Safe	1:1 pbv	Dough	90 min.	16 hrs.	85D	17.3	N/A	Neutral	
Free Form™ -Habitat Flex FR	1:1 pbv	Dough	90 min.	24 hrs.	90A/45D	17.9	N/A	Light Brown	
Free Form™ -Air	1:1 pbv	Dough	30 - 120 min.	24 hrs.	50D	61.6	N/A	Grey	
Free Form™ -Air Fast	1:1 pbv	Dough	1/2" - 6 min. 3/8" - 8 min. 1/8" - 10 min.	1/2" - 30 min. 3/8" - 45 min. 1/8" - 2 hrs.	60D	61.6	N/A	Grey	
Free Form™ -Air HT	2:1 pbv	Dough	150 min.	16 hrs.	55D	54.31	N/A	Grey	
Free Form™ -Air Fire Safe	1:1 pbv	Dough	1.5" - 30 min. 3/8" - 60 min. 1/8" - 120 min.	1.5" - 2.5 hrs. 3/8" - 4 hrs. 1/8" - 8 hrs.	73D	35.6	N/A	Grey	
Free Form™ -Sculpt	1:1 pbv	Putty	1.5 hrs.@1 lb.	overnight	80D	20.73	N/A	Grey	

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\*Full cure time 24 hrs.



Product Name		Mix Ratio	Pot Life	Demold Time	Specific Volume (Cu. In./lb.)	Density (lbs./ft³)	Tensile Strength	Flexural Strength	Color	
duoMatrix® Systems										
duoMatrix™-G	100 parts gypsum + 50 parts C-1 Latex + 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		6 min. mechanically mixed, 15 min. by hand*	60 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		20 min.* mechanically mixed	60 min.* mechanically mixed	17.45	99	3,300 - 5,500 psi	7,500 - 9,800 psi	White	
duoMatrix™-C		Pre-Mix	Spray Up	45 - 90 min.	16 hrs.	N/A	100 - 130	Up to 900 psi	Up to 5,000 psi	White
	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							

\*Depending on mass and environmental temperature



FORTON® Systems															
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
	Type I Cement	Pre-Mix	Spray Up												
Forton™ VF-774 GFRC Additive (51% Solids)	Type I Cement	100 parts	100 parts	Variable	12 hrs.	Pre-Mix 110 - 130	15.7 - 13.3	Pre-Mix 600 - 900 psi	Pre-Mix 600 - 1,000 psi	Pre-Mix 700 - 1,200 psi	Pre-Mix 1,450 - 2,000 psi	Pre-Mix 6,000 - 9,000 psi	Variable		
	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												
Forton™ VF-812 Alpha Gypsum Modifier (50% Solids)	A-R Glass	3% pbw	5% pbw	45 - 60 min.*	90 - 120 min.*	99	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	White		
	100 parts gypsum + 50 parts VF-812 Latex + 10 parts MF-415 Resin + 0.5 Parts Hardner														

\*Depending on mass and environmental temperature

Product Name	Gypsum							
	Use Consistency (parts of water by weight per 100 parts plaster)	Set Time	Density Wet (lbs./ft. <sup>3</sup> )	Density Dry (lbs./ft. <sup>3</sup> )	1 Hour Compressive Strength	Dry Compressive Strength	Maximum Setting Expansion	
Hydrocal™ White	45	25-35 min.	110.6	90	1,000 psi	5,000 psi	0.39%	
Hydrocal™ FGR-95	30cc	50-70 min.	112	103	N/A	N/A	N/A	
No. 1 Pottery Plaster	70	14-24 min.	99	69	1,000 psi	2,400 psi	0.21%	
No. 1 Casting Plaster	65	27-37 min.	100	72.5	1,200 psi	2,400 psi	0.21%	
No. 1 Molding Plaster	70	27-37 min.			1,250 psi	2,500 psi	0.20%	
Hydro-Stone™	32	17-20 min.	119.4	108.7	4,000 psi	10,000 psi	0.24%	
UltraCal™ 30	38	17-20 min.	115	99	4,000 psi	6,000 psi	0.24%	



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Product Name	A:B Mix Ratio	Pot Life ASTM D-2471	Cure Time @ 73°F/23°C	Specific Volume (Cu. In./lb.)	Color	Alginate
Alia-Safe™	1 part warm water (80°F/27°C): 1 part Alia-Safe™ powder by volume	5 min.	8 min.	26.0	Light Purple	
Alia-Safe™ Acrobat™	1 part warm water (80°F/27°C): 1 part Acrobat™ powder by volume	5 min.	8 min.	26.0	Off-White	
Alia-Safe™ Breeze™	5 parts warm water (80° F / 27° C): 1 Part Breeze™ to liquid by volume	3 min.	8 min.	26.0	Blue	
Accu-Cast™ BodyGel™ 880	1 part warm water (80°F/27°C):1 Part BodyGel™ 880 powder by volume 3 parts warm water (80° F / 27° C):1 Part BodyGel™ 880 powder by weight	5 min.	8 min.	26.0	Off-White	
Accu-Cast™ BabyGel™ 2	1 part warm water (80° F / 27° C): 1 Part BabyGel™ 2 powder by volume 4 parts warm water (80° F / 27° C): 1 Part BabyGel™ 2 powder by weight	2 min.	3 min.	26.0	Pink to Light Grey	
Accu-Cast™ HandGel™ 570	1 part warm water (70° F / 21° C): 1 Part BabyGel™ 570 powder by volume 4 parts warm water (70° F / 21° C): 1 Part BabyGel™ 570 powder by weight	3.5 min.	5 min.	26.0	Off-White	
Accu-Cast™ FaceGel™ 590	3 parts warm water (90° F / 32° C): 2 Parts FaceGel™ 590 powder by volume 1 part warm water (90° F / 32° C): 1 Part FaceGel™ 590 powder by weight	3.5 min.	5 min.	26.0	Tan	
Accu-Cast™ 370-SD™ 30	3 parts warm water (70° F / 21° C): 2 Parts 370-SD™ 30 powder by volume 4 parts warm water (70° F / 21° C): 1 Part 370-SD™ 30 powder by weight	2 min.	3 min.	26.0	Off-White	
Accu-Cast™ Phase 2™	1 part warm water (70° F / 21° C): 1.5 Parts Phase 2™ powder by volume 2.5 parts warm water (70° F / 21° C): 1 Part Phase 2™ powder by weight	1.5 min.	2.5 min.		Whiet to Pink to White	

Starter Kits			
Pourable Starter Kit	Lifecasting Starter Kit	Ultimate Blood Kit	Ultimate Wound Kit
<ul style="list-style-type: none"> <li>• How-To Booklet</li> <li>• <b>OOMOO® 30</b> Molding Rubber</li> <li>• <b>Smooth-Cast® 300</b> Casting Resin</li> <li>• <b>SuperSeal®</b> Sealing Agent</li> <li>• <b>Ease Release® 205</b> Release Agent</li> <li>• Quick Start Guide</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Alia-Safe®</b> Molding Gel</li> <li>• Casting Plaster</li> <li>• Quick Start Guide</li> </ul>	<ul style="list-style-type: none"> <li>• Ultimate Blood Base</li> <li>• Ultimate Blood Thinner</li> <li>• Ultimate Blood Thixo</li> <li>• Ultimate Blood Blue Tint</li> <li>• Ultimate Blood Red Tint</li> <li>• Ultimate Blood Yellow Tint</li> <li>• Mixing Sticks &amp; Cups</li> </ul>	<ul style="list-style-type: none"> <li>• Step-By-Step How-To Guide</li> <li>• <b>Skin Tite®</b> Silicone</li> <li>• <b>Thi-Vex®</b> Thickening Agent</li> <li>• <b>Silc Pig®</b> Pigment</li> <li>• <b>Rubber Glass®</b> Cured Disks</li> <li>• Mixing Sticks &amp; Cups</li> </ul>
		Ultimate Zombie Kit	
		<ul style="list-style-type: none"> <li>• Step-By-Step How-To Guide</li> <li>• <b>Thi-Vex®</b> Thickening Agent</li> <li>• <b>Skin Tite®</b> Silicone</li> <li>• <b>Silc Pig®</b> Pigment</li> <li>• Makeup</li> <li>• <b>Rubber Glass®</b> Cured Disks</li> <li>• Zombie Teeth</li> <li>• Mixing Sticks &amp; Cups</li> </ul>	

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- Casting Options – Make Your Plastic Castings Look Like Metal, Wood, Stone and More!
- Secrets to Being Successful in Using These Materials

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- Casting Plaster
- Candle Making
- Casting Wax
- Casting Concrete
- Casting Resins
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- Casting Foams
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- Taxidermy
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