



Stoner

Molding Solutions

You Mold It. We Release It.

COMPOSITE MOLDING

StonerMolding.com 1-717-786-7355

1070 Robert Fulton Hwy, Quarryville, PA 17566

OUR MOLDING HERITAGE

Since 1942 Stoner Molding Solutions have been known for superior performance and consistent quality. Molders have come to rely on Stoner's world class service and expert solutions for the challenges facing their business.

The Early Years

In the 1950s Stoner was an early innovator of aerosol technology. In the 1960s Stoner's success with lubricants for rubber molding led to the development of release agents for thermoplastic injection. By the 1970s Stoner expanded into polyurethane molding solutions.

During the 1980s new cleaners and rust preventives were added and in the 1990s Stoner developed products for investment casting and melt spinning of polyester and nylon fiber.

Stoner Expands its Offerings

In 2000 Stoner purchased Zip Molders Edge products and in 2006 acquired the Dwight Products Nix Stix line for polyurethane molding. In 2008 Stoner acquired the Releasomers line for rubber and rotational molding.

In 2013 the TraSys brand for rubber and rotational molding was added and the Honey Wax and KantStik brands for composites molding were added in 2014. Stoner's brand portfolio now offers solutions for any molding process. If you can mold it, we can release it.

Stoner Aerosol Solutions

Widely recognized as a leader in aerosol technology, Stoner manufactures molding solutions for the thermoplastics, polyurethanes, composites, rotational, rubber, fiber, and investment casting industries.

If you have not experienced the Stoner difference, please consider these reasons to switch. Stoner release agents yield better performance than any competitive product.

With Stoner, your cost per released part will be lower than any competitive product, so you'll get "More Parts in Less Time." Plus Stoner releases have far less odor than economy brands. Your operators will like the change.



From humble beginnings, Stoner has grown its products to be a leader in mold release solutions. Stoner products are known for superior performance and consistent quality. Molders have come to rely on Stoner's world class service and expert solutions for the challenges facing their business. Our brand portfolio contains the best products, ideas, and chemistry from industry leaders spanning over seven decades.



REASONS TO BUY STONER



WORLD CLASS SERVICE

For fast, friendly help with selection, stock, or shipping, call 1 (717) 786-7355 outside US, 1-800-227-5538 in the US Mon-Fri 8-5 ET.



SAME DAY SHIPPING

Nearly every stock order received by 5pm ET ships the same day!



NO RISK GUARANTEE

If you're ever dissatisfied with any Stoner product, simply return the unused portion for a full refund.



PROVEN MOLDING HISTORY

Stoner has helped molding professionals mold more high quality parts in less time since 1942.



ALWAYS IN STOCK

Stock products are ready to ship. And special MTO products ship within 5 working days.



TECH SUPPORT

Talk directly with our chemists for expert solutions to the molding challenges facing your business.



SAFER PRODUCTS

You and your employees can enjoy peace of mind with industrial strength performance from products that are often non-flammable, non-ozone depleting, and non-toxic.



CONVENIENT PACKAGING

Stoner molding products come in a variety of package sizes: aerosol cans; 1, 5, 55, and 275 gallon bulk containers; and large pressurized spray tanks.



COMPOSITES MOLD RELEASE



| PRODUCT | Honey Wax | Honey Plus Wax | Honey Wax 100 | Honey Wax 250 | Honey Wax Hydro Speed |
|--|--|---|--|---|---|
| ITEM # | P52314REAXX2 | P52115REAXX2 | P54016REAXX2 | P52111EAXXX2 P51540EAXXX2 | P525CSXXXXX1 P525GLXXXXX1 |
| PRODUCT TYPE | Premium Paste Wax | Premium Paste Wax | Premium Paste Wax | Premium Paste Wax | Premium Liquid Wax |
| CONTAINER SIZE | 14 Oz (397 Gram) Can | 14 Oz (397 Gram) Can | 14 Oz (397 Gram) Can | 11 Oz (312 Gram) Can 1000 Gram Can | 16 FL OZ (473 ml) 1-gallon |
| DESCRIPTION | Premium carnauba based paste mold release agent. Industry standard since 1985 that is extremely easy to wipe off. Honey Wax® reduces man hours due to its exceptional ease of application and buffing. It is an excellent mold release agent providing reproducibility, glossiness, and a non-staining, hard releasing film which are important to the fabricator. | A high temperature version of Honey Wax, formulated to work with higher exotherm resins up to 240°F. Honey Plus Wax is an excellent release agent where reproducibility, hi gloss, non-staining, and a hard releasing film are important. It is easier to apply than our other wax release agents and the residual film is durable and resistant to abrasion. | A silicone free version of Honey Wax. Easy to spread and easy to remove. | Our easiest to use premium carnauba based mold release agent. Works well in both cold and warm temperatures. Honey Wax® 250 reduces cycle times due to its exceptional ease of application and buffing. It is an excellent mold release agent providing reproducibility, high gloss, and a non-staining, hard releasing film which are important to the fabricator. | A hi solids water based emulsion that contains no solvents. It is non-hazardous and non-flammable and the water carrier dries in less than one minute. It is an excellent mold release agent providing reproducibility, glossiness, and a non-staining, hard releasing film which are important to the fabricator. It is significantly faster to apply and remove than other paste waxes. |
| GLOSS LEVEL | High | High | High | High | High |
| MAXIMUM MOLDING TEMP | 200°F / 93°C | 240°F / 116°C | 200°F / 93°C | 200°F / 93°C | 200°F / 93°C |
| SEMI-PERMANENT (SP) OR SACRIFICIAL (S) | S | S | S | S | S |
| CARRIER | Solvent | Solvent | Solvent | Solvent | Water |
| EPOXY | .. | .. | .. | .. | .. |
| PHENOLIC | .. | .. | .. | .. | .. |
| POLYESTER | ... | ... | ... | ... | ... |
| VINYL ESTER | ... | ... | ... | ... | ... |
| COMPRESSION | . | . | . | . | .. |
| FILAMENT WINDING | .. | .. | .. | .. | .. |
| CASTING | ... | ... | ... | ... | ... |
| HAND LAYUP | ... | ... | ... | ... | ... |
| SPRAY UP | ... | ... | ... | ... | ... |
| RESIN TRANSFER MOLDING | .. | .. | .. | .. | .. |
| SUGGESTED APPLICATIONS | Open molding, cast polymer, tooling, | Open molding, cast polymer, tooling, | Open molding, cast polymer, tooling, | Open molding, cast polymer, tooling, | Open molding, cast polymer, tooling, |

POLYMER

PROCESS









| Honey Edge Wax | Honey Slurry Wax | P313 Release & Paint | P229 Poly Iso Release | LM 35 Concentrate |
|---|---|---|--|---|
| P50901GLXXX2 P50905PLXXX2 | P51201GLXXX2 P51205PLXXX2 P51255DRXXX2 | P313PLSTON01 P313DRSTON01 | P229PLSTON01 P229DRSTON01 | P56001GLXXX2 P56001PLXXX2 P56001DRXXX2 |
| Paste Wax | Slurry Wax | Liquid | Liquid | Honey Wax Liquid |
| 1-gallon 5-gallon pail 55-gallon drum | 1-gallon 5-gallon pail 55-gallon drum | 5-gallon pail 55-gallon drum | 5-gallon pail 55-gallon drum | 1-gallon 5-gallon pail 55-gallon drum |
| An economical, general purpose paste wax for flanges, edges, marble hats, polymer concrete molds, and other areas not requiring a Class A finish. | A softer version of Honey Edge Wax that can be applied with a brush or rag. | Economical RTU water based emulsion designed for compression molding of SMC and BMC. Paintable!!! | Water based emulsion that can be further reduced with water, achieving very low application costs. Easiest release for non-gel coated products such as polymer concrete (pipe, utility boxes, manways), epoxy pipe, fittings, domes, tanks, etc. | LM 35 Concentrate is a versatile and effective release agent composed of a micro-emulsion of polyethylene wax dispersed in a water base system. It is designed to be diluted before use for excellent economy. The release solids withstand high temperature exposure in excess of 350° F (177°C), without deterioration. Solids content is 35%, +/- 1.5%. It has been found to be particularly effective in the manufacturing of friction parts such as brake shoes. |
| N/A | N/A | N/A | N/A | N/A |
| 200°F / 93°C | 200°F / 93°C | 400°F / 204°C | 400°F / 204°C | 350°F / 177°C |
| S | S | S | S | S |
| Solvent | Solvent | Water | Water | Water |
| •• | •• | • | ••• | •• |
| •• | •• | • | ••• | •• |
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••• Highly Recommended •• Will Work • Not Recommended

| | | | | |
|---|-------------------------------------|-------------------------------------|--|----------------------------|
| Flanges, tank domes, tooling support structures, floors | Cast polymer hats, polymer concrete | Compression molding of SMC and BMC. | Polymer concrete, filament winding w/epoxy | Polyethylene wax dispersed |
|---|-------------------------------------|-------------------------------------|--|----------------------------|

COMPOSITES MOLD RELEASE

| |  |  |  |  |
|--|---|---|--|--|
| PRODUCT | Honey Wax Liquid | Honey Wax Liquid HT | KantStik Sealer 1.0 | XK-22 LV.5 |
| ITEM # | P51701RGLXX2 P51705RPLXX2 P51755DRXXX2 | P55401GLXXX2 P55405PLXXX2 P55455DRXXX2 | P59101GLXXX2 P59105PLXXX2 | G471GLSTON01 G471PLSTON01 G471DRSTON01 |
| PRODUCT TYPE | Liquid | Liquid | Liquid | Liquid |
| CONTAINER SIZE | 1-gallon 5-gallon pail 55-gallon drum | 1-gallon 5-gallon pail 55-gallon drum | 1-gallon 5-gallon pail | 1-gallon 5-gallon pail 55-gallon drum |
| DESCRIPTION | Liquid mold release agent that also removes styrene monomer and excess wax as it is applied. Excellent for cast polymer. Honey Wax [®] Liquid is a mold release agent specifically formulated for use in the manufacture of reinforced fiberglass products using polyester resins. | A high temperature version of Honey Wax Liquid formulated to work with higher exotherm resins up to 240° F. | A polymeric coating for new or reconditioned tooling designed as a base coat for any sacrificial or semi-permanent release agent. KantStik [®] Sealer 1.0 is our second generation polymeric coating designed to reduce surface area and impart a hard, new and chemically resistant barrier on tooling surfaces. | Premium high slip semi-permanent release agent designed for thermoset resin systems that require a post cure such as epoxy or phenolics. |
| GLOSS LEVEL | High | High | High | High |
| MAXIMUM MOLDING TEMP | 220°F / 104°C | 220°F / 104°C | 752°F / 400°C | 752°F / 400°C |
| SEMI-PERMANENT (SP) OR SACRIFICIAL (S) | S | SP | SP | SP |
| CARRIER | Solvent | Solvent | Solvent | Solvent |
| EPOXY | • | • | ••• | ••• |
| PHENOLIC | • | • | ••• | ••• |
| POLYESTER | ••• | ••• | •• | •• |
| VINYL ESTER | ••• | ••• | •• | •• |
| COMPRESSION | • | • | ••• | ••• |
| FILAMENT WINDING | • | • | ••• | ••• |
| CASTING | ••• | ••• | ••• | ••• |
| HAND LAYUP | ••• | ••• | ••• | ••• |
| SPRAY UP | ••• | ••• | • | • |
| RESIN TRANSFER MOLDING | • | • | ••• | ••• |
| SUGGESTED APPLICATIONS | Cast polymer | Universal sealer for all sacrificial and semi-permanent solvent and water based systems | Universal sealer for all sacrificial and semi-permanent solvent and water based systems | RTM or vacuum bagging with epoxy or phenolic resins |





| XK-22 LV.1 | FRP-QB | FRP-SC | KantStik Cure Fast 1.0 |
|---|--|---|--|
| G472GLSTON01 G472PLSTON01 G472DRSTON01 | G494GLSTON01 G494PLSTON01w | G495GLSTON01 G495PLSTON01 | P59301GLXXX2 P59305PLXXX2 P59355DRXXX2 |
| Liquid | Liquid | Liquid | Liquid |
| 1-gallon 5-gallon pail 55-gallon drum | 1-gallon 5-gallon pail | 1-gallon 5-gallon pail | 1-gallon 5-gallon pail 55-gallon drum |
| Premium high slip semi-permanent release agent not recommended for heated tooling and epoxy pre-preg laminates. XK-22LV.1 is a solvent based release containing a unique resin for carbon fiber molding. The solvent carrier is optimized for coating precision tools used to produce smaller high value parts. | A wipe on or spray on semi-permanent release agent not requiring buffing. Designed for polyester or vinyl ester resin systems in closed or open molding. It can be applied by brushing or wiping, and performs effectively as a "wolo" (wipe on/leave on) product. | Premium high slip semi-permanent release agent designed for polyester or vinyl ester systems. Gives longer window to apply/wipe off, offers ease of application. It gives a smooth, film with unmatched adhesion to the mold. | Hi Solids semi-permanent release agent with built in sealer. Only 3 coats required and 10 minute cure time. Recommended for polyester and vinyl ester. |
| High | High | High | High |
| 752°F / 400°C | 752°F / 400°C | 752°F / 400°C | 752°F / 400°C |
| SP | SP | SP | SP |
| Solvent | Solvent | Solvent | Solvent |
| ••• | •• | •• | •• |
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••• Highly Recommended •• Will Work • Not Recommended

| | | | |
|---|---|---|--|
| Compression molding with epoxy or phenolic resins | Wipe on or spray on for all polyester and vinyl ester processes | Go to product for maximum release cycles with polyester and vinyl ester | Fast cure 3 coat system for polyester and vinyl ester. |
|---|---|---|--|





Stoner XK-22LV.1 Carbon Fiber Release Success



A molder of carbon fiber bike parts had issues with mold release and epoxy buildup on precision steel tools. After an extended search for an improved release, Stoner XK-22LV.1 was chosen to improve the process. Molders saw an increase in the number of parts released prior to mold cleaning and improved the number of parts produced.

Stoner XK-22LV.1 is a solvent based release containing a unique resin for carbon fiber molding. The solvent carrier is optimized for coating precision tools used to produce high value parts. Finishing is easier since XK-22LV.1 does not transfer to finished parts due to the durable properties of the cured resin.

COMPOSITES MOLD RELEASE

| |  |  |  |  |
|--|--|---|--|---|
| PRODUCT | Endurance Mold Release | Fluoroelastomer Mold Release | Thermoset Mold Release | Zinc Stearate Mold Release |
| ITEM # | A353 | A373 | E455 | E474 |
| PRODUCT TYPE | Aerosol | Aerosol | Aerosol | Aerosol |
| CONTAINER SIZE | 10 Oz Aerosol | 10 Oz Aerosol | 12 Oz Aerosol | 12 Oz Aerosol |
| DESCRIPTION | Semi-permanent aerosol mold release that works equally as well with polyester and vinyl ester resin systems. | Semi-permanent aerosol mold release that contains PTFE. A single application will allow multiple molding cycles. When the mold eventually begins to stick, often the sticking area alone can be "touched up" quickly and allow continued molding with minimal production delay. Improves molding efficiency in many processes including injection, compression, and transfer molding. | Best for compression molded reinforced thermosets, especially BMC/SMC. E455 Thermoset Mold Release contains no silicones or oils. It eliminates the need for paste or block wax releases. E455 provides a long lasting anti-stick film for fast, easy part removal from molds and multiple part releases per application. Used extensively in composites R&D labs. | Dry film, heavy duty mold release containing zinc stearate. Ideal for testing new molds, E474 provides a heavy duty, long lasting, anti-stick film for fast, easy part removal from molds and multiple part releases per application. |
| GLOSS LEVEL | High | Low | High | Low |
| MAXIMUM MOLDING TEMP | 450°F / 232°C | 450°F / 232°C | 400°F / 204°C | 400°F / 204°C |
| SEMI-PERMANENT (SP) OR SACRIFICIAL (S) | SP | SP | S | S |
| CARRIER | Solvent | Solvent | Solvent | Solvent |
| EPOXY | ... | ... | ... | ... |
| PHENOLIC | ... | ... | . | ... |
| POLYESTER | ... | . | ... | ... |
| VINYL ESTER | ... | . | ... | ... |
| COMPRESSION | ... | ... | ... | ... |
| FILAMENT WINDING | . | . | . | . |
| CASTING | . | ... | ... | . |
| HAND LAYUP | . | . | ... | . |
| SPRAY UP | . | . | ... | . |
| RESIN TRANSFER MOLDING | ... | ... | ... | . |
| SUGGESTED APPLICATIONS | The benefits of a semi-permanent release agent with the convenience of an aerosol | Very hi temperature applications. | The benefits of a hi temp wax system with the convenience of an aerosol | Ideal for testing new molds |



Give us an opportunity to surpass your molding expectations!



Polyester, vinyl ester, epoxy, or phenolic. SMC, BMC, pre-preg or liquid thermoset. Compression molding, casting, filament winding, spray up, RTM, infusion, vacuum bagging, or hand layup. YOU MOLD IT, WE RELEASE IT!

With worldwide distribution and technical personnel located in North America, South America, Europe, Asia, and the Pacific Rim, Stoner Molding Solutions provides solvent and water based release systems for your specific requirements. In bulk or aerosol, paste or liquid, sacrificial or semi-permanent, we have them all.

| Thermoset Mold Release | KantStik Mold Cleaner | Styrid | TraSys 9825 |
|--|---|---|---|
| E497 | P53601RGLXX2 P53605RPLXX2 | P54305RPLXX2 | TRA9825GL TRA9825PL TRA9825DR |
| Aerosol | Liquid | Liquid | Liquid |
| 12 Oz Aerosol | 1-gallon 5-gallon pail | 35 Lb Pail | 1-gallon 5-gallon pail 55-gallon drum |
| Carnauba based aerosol release agent formulated for epoxies, phenolics and other thermoset and thermoplastic resins. | Special blend of solvents that quickly dissolves wax based release agents, styrene monomer build up, and grease or oil contaminants from the mold surface. It is ideal for preparing mold surfaces for the application of KantStik® mold release agents. It is also excellent for cleaning brushes and equipment. | A unique styrene suppressant added to polyester or vinyl ester resins that WILL NOT hinder interlaminar adhesion. Provides suppression rates in excess of 50%. STYRID® when used properly in polyester resin, will reduce styrene emissions during the curing phase of open mold processes. | Water based semi-permanent release agent designed for use with heated tools (250°F - 350°F). Excellent for compression molding of epoxy, phenolic and polyester resins. |
| High | N/A | N/A | High |
| 200°F / 93°C | N/A | N/A | 400°F / 204°C |
| S | N/A | N/A | SP |
| Solvent | Solvent | N/A | Water |
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••• Highly Recommended •• Will Work • Not Recommended

The benefits of a carnauba wax system with the convenience of an aerosol

For use on any mold surface

Excellent semi-permanent where molds are heated to a minimum of 220 °F

PAUL STONER'S LEGACY

Stoner, Inc. is a third-generation, family-owned company founded by Paul Stoner in 1942. Based in Quarryville, PA, the company has remained rooted in the values of patience and persistence characterized by its founder.

Stoner has Humble Beginnings

Paul Stoner learned the value of hard work and discipline on his parents' farm. He also learned to persevere through hardship. At the age of eight, his mother died of sudden heart failure. His father remarried, but when Paul was twelve, his father died from tetanus. Unable to manage the farm, his stepmother sold the property. Raised by family friends and relatives during the Great Depression, Paul directed his energy towards school and part-time jobs. At school he excelled in math and science, prompting his employer to encourage him to apply at a local college.

Stoner Gains Expertise

In 1938 Paul graduated with a chemistry degree from Franklin & Marshall College. After graduation he worked for several chemical companies but grew frustrated after one laid him off and another went bankrupt. In 1942, he moved back to Quarryville and founded the Stoner Ink Company, which specialized in printing inks. To make ends meet, Paul worked part-time jobs, one of which was at a tire plant struggling to produce defect-free tires.

Stoner's Reputation Grows

In the 1950s Stoner earned a reputation as an innovator of mold lubricants for the rubber and plastic industries. By the 1960s, America's leading automotive and electronic manufacturers came to Stoner for lubrication and cleaning solutions. In the 1970s Stoner expanded into the automotive appearance market with auto polishes and waxes.

Today Stoner manufactures a wide variety of branded cleaners and lubricants for consumer retailers, manufacturers, service businesses, government agencies, and universities worldwide. Stoner is a recognized leader in the plastics, urethane, composites, rubber, electronics, detailing, and car wash industries.

The Legacy Lives On

Paul Stoner passed away in March 1986, but his values and legacy are ingrained in the company's culture. His practice of listening to people and meeting their needs still characterizes Team Stoner as it pursues its vision of performance and excellence with passion.



In the 1980s Paul Stoner's grandson, Robert L. Ecklin, Jr., purchased the company and has built on his grandfather's foundation by developing category-leading brands such as Invisible Glass, America's #1 selling automotive glass cleaner.



Because Stoner listened and considered how to meet people's needs, he formulated a lubricant that quickly and easily released tires from molds. His employer soon became his customer along with other rubber molders.



As demand increased for Invisible Glass' streak-free performance and superior cleaning power, it was made available in pump spray bottles and wipes in a canister.



QUEST FOR EXCELLENCE

Stoner is always striving to provide innovation and customer-friendly solutions.

The Stoner team is working to make your molding production the best and most cost-effective it can be by providing these key ingredients:

World Class Service

Stoner's aim is to keep its customers satisfied for life with world class service and technical support that exceeds expectations. Stoner customers enjoy same day shipping, a money-back guarantee, volume price discounts, free samples, expert advice, and real-time technical support.

Our knowledgeable customer advocates are empowered to immediately resolve issues without a cumbersome approval process or frustrating delays. Customer feedback is reviewed weekly to discover opportunities to improve our products and service. As a result, Stoner enjoys strong customer loyalty with a customer retention rate above 98%.

High Performance Products

Not only our service, but also our products must exceed your expectations. Stoner listens and responds to customer needs by formulating and developing high performance solutions that offer improved safety, environmental, or economic benefits without sacrificing performance. You'll find that Stoner products are safer, eco-friendly, and simply work better.

Consistent, Reliable Quality

Lean manufacturing ensures the consistent high quality of Stoner products and eliminates unpleasant surprises. Lean processes keep inventories low, products in stock, and facilitates same day shipping.

Our Enterprise Resource Planning (ERP) system links operations across all functional

areas of the business from raw material ordering through production, inventory management, distribution, and sales tracking.

In recognition of its consistent product quality and high customer satisfaction, in 2003 Stoner was awarded the Malcolm Baldrige National Quality Award for business excellence.

Always In Stock

Never run out of the supplies you need to keep your business running. Whether you are getting your products directly from Stoner or from your local distributor, we'll make sure you get the right product at the right place at the right time. Stoner products are available worldwide.



COMPOSITES MOLD RELEASE

For more than 45 years Stoner has been a trusted manufacturer of mold release products for composite distributors and fabricators worldwide. Best known for our premium Honey Wax paste mold release, Stoner also manufactures and markets the KantStik line of solvent based semi-permanent release agents and the TraSys brand of water based semi-permanent release agents.

With expertise in composite fabrication as well as composite distribution, Stoner is ideally suited to deliver solutions for the unique needs of this industry.

We provide tailored products that help solve release issues, provide consistent product reliability that fabricators insist upon, and the industry's best customer service and technical support.



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