

# Stoner

## Molding Solutions

You Mold It. We Release It.

# POLYURETHANE MOLDING



[StonerMolding.com](http://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 Molding Solutions 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 four 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.

# POLYURETHANE MOLD RELEASE



ORIGINAL FORMULA



PRODUCT	E236 Urethane Mold Release	G401 Nix Stix X-9032	G402 Nix Stix X-9032A	G415 Nix Stix L-796
ITEM #	E236CS	G401	G402	G415PT G415GL
PRODUCT TYPE	Aerosol, Silicone-Based	Aerosol, Silicone-Based	Aerosol, Silicone-Based	Silicone-Based
CONTAINER SIZE	12 oz. aerosol	12 oz. aerosol	12 oz. aerosol	G415PT – 1-pint G415GL – 1-gallon
DESCRIPTION	A versatile urethane release with a dry spray pattern. Suitable for all types of cast urethane and integral skin foams. Simply spray on molds to let parts release quickly and easily. Prevents sticking so you can make more high quality parts - every hour, every shift, every day. Best application is achieved by applying a thin even coating.	Formulated specifically for urethanes with a focused spray pattern for precision coverage and lower transfer. Great general purpose release where overspray is a concern.	Formulated specifically for urethanes with a focused spray pattern for precision coverage and lower transfer. MDI's release easily with X-9032A.	A specially designed release for thermal tip operations on tubing. Boosts productivity and reduces quality failures. Nix Stix L-796 consistently passes biocompatibility testing. Apply Mold Release Solution L-796 lightly on tubing. Allow it to dry before molding. Do not over apply. L-796 should keep your dies cleaner than other release agents.
FINISH	Gloss	Gloss	Gloss	Gloss
FLASH POINT	N/A	N/A	N/A	
TDI	CAST	•••	•••	•••
MDI	••	••	•••	•••
INTEGRAL SKIN	•••	•••	•••	•••
FLEXIBLE MOLDED	FOAM			
POLYISOCYANURATE				
RIGID	•	•	•	
SUGGESTED APPLICATIONS	Cast Elastomers	Cast Elastomers	Cast Elastomers	Thermal tip forming.
WATER-BASED ALTERNATIVE PRODUCT	P236 Polyurethane Release See page 9.	P160 Polyurethane Release See page 8.	P160 Polyurethane Release See page 8.	





G424 Nix Stix L-506	G431 Nix Stix DP-350	G432 Nix Stix DP-200	M225 Polyurethane Release	M226 Polyurethane Release
G424GL G424PL G424DR	G431PL G431DR	G432GL G432PL G432DR	M225PL M225DR	M226DR
Bulk Silicone	Bulk Silicone	Bulk Silicone	Solvent, Silicone-Based	Solvent, Silicone-Based
G424GL – 1-gallon G424DR – 55-gallon drum	G431PL – 5-gallon pail G431DR – 55-gallon drum	G432GL – 1-gallon G432PL – 5-gallon pail G432DR – 55-gallon drum	M225PL – 5-gallon pail M225DR – 55-gallon drum	M226PL – 5-gallon pail M226DR – 55-gallon drum
A solvent-free silicone designed as a polyurethane release. This unique formula can be wiped or sprayed onto molds without solvents. This material is ready to use. Spray, wipe, or brush a very thin coating on mold surface. Over application can cause defective parts. Reapply only when parts begin to stick.	An economical pure silicone urethane release. Nix Stix DP-350 can be applied directly or can be diluted in popular solvents. For optimum efficiency, DP-350 should be diluted with aliphatic or aromatic solvent prior to application to molds. This helps insure that over-application of release agent is avoided. Recommended application methods include brushing, swabbing, spraying and dipping.	An economical pure silicone urethane release formulated for difficult MDI. Nix Stix DP-200 can be applied directly or can be diluted in popular solvents. For optimum efficiency, DP-200 should be diluted with solvent prior to application to molds. This helps insure that over-application of release agent is avoided. Recommended application methods include brushing, swabbing, spraying and dipping.	A high flash point, ready-to-use polyurethane release for cast TDI and MDI. Produces high gloss parts with minimal residual silicone. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.	A high flash point, ready-to-use heavy-duty polyurethane release for cast TDI and MDI. Designed for difficult to release parts. Simply spray on molds to let parts release quickly and easily. Non-CFC. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.
Gloss	Gloss	Gloss	Gloss	Gloss
300°F / 149°C	>280°F / >138°C	280°F / 138°C	120°F / 49°C	120°F / 49°C
•••	•••	•••	•••	•••
••	••	•••	••	••
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••• Highly Recommended

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• Highly Recommended for the Back Side

Cast Elastomers	Cast Elastomers	Cast Elastomers	Cast Elastomers	Cast Elastomers
	P160 Polyurethane Release See page 8.		P160 Polyurethane Release See page 8.	

# POLYURETHANE MOLD RELEASE



PRODUCT	M228 Polyurethane Release	M480 Polyurethane Release	M615 Polyurethane Release	M800 Polyurethane Release
ITEM #	M228PL M228DR	M480PL	M615PL M615DR	M800PL M800DR
PRODUCT TYPE	Solvent, Silicone-Based	Solvent, Wax-Based	Solvent, Wax-Based	Solvent, Silicone-Based
CONTAINER SIZE	M228PL – 5-gallon pail M228DR – 55-gallon drum	5-gallon pail	M615PL – 5-gallon pail M615DR – 55-gallon drum	M800PL – 5-gallon pail M800DR – 55-gallon drum
DESCRIPTION	A high flash point, Ultra concentrated, ready-to-use heavy-duty polyurethane release for cast TDI and MDI. Designed for difficult to release parts. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.	A semi-paste wax used for low temperature molding. Often used for PU binder systems and rubber. Apply with brush or cloth.	A versatile, silicone-free wax-based release designed to release rigid foam. Stoner M615 often works where a non-silicone release is required for cast elastomer. Provides excellent results with in-mold coatings. The silicone free formula is compatible with many coating resulting in less clean-up of parts.	A ready-to-use, heavy-duty, solvent-based polyurethane release designed for low temperature molding of cast elastomer. Fast evaporation of solvent-borne assures steady production. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.
FINISH	Gloss	Matte	Matte	Gloss
FLASH POINT	134°F / 57°C	124°F / 51°C	18°F / -8°C	18°F / -8°C
TDI	CAST ●●●	●●	●●	●●●
MDI	CAST ●●●	●●	●●	●●
INTEGRAL SKIN	FOAM ●●		●●	●●●
FLEXIBLE MOLDED	FOAM			
POLYISOCYANURATE	FOAM		●●	
RIGID	FOAM ●		●●●	●
SUGGESTED APPLICATIONS	Cast Urethane	Recycled Rubber	Cast Urethane	Cast Urethane
WATER-BASED ALTERNATIVE PRODUCT				P160 Polyurethane Release See page 8.



## Painting molded urethane parts

The best mold releases for cast polyurethane, Stoner E236 and Stoner M804, typically interfere with painting of cast polyurethane parts, even after vigorous cleaning. Many molders use in mold graphics, laser engraving or Mylar films for part numbers on molded parts to avoid this issue. When painting is truly required, alternate mold releases must be used, resulting in a more difficult demold process and higher costs. Techniques such as flexible urethane molds, silicone rubber molds and machining of parts may be required to make the molding process work. Please contact your Stoner Inc. representative for specific, expert advice for your application.



M804 Polyurethane Release	M805 Polyurethane Release	M806 Polyurethane Release	M826 Polyurethane Release
M804PL M804DR M804TR	M805PL M805DR	M806PL M806DR	M826PL M826DR
Solvent, Silicone-Based	Solvent, Silicone-Based	Solvent, Silicone-Based	Solvent, Silicone-Based
M804PL – 5-gallon pail M804DR – 55-gallon drum M804TR – 275-gallon tote	M805PL – 5-gallon pail M805DR – 55-gallon drum	M806PL – 5-gallon pail M806DR – 55-gallon drum	M826PL – 5-gallon pail M826DR – 55-gallon drum
A ready-to-use, solvent-based polyurethane release designed for low temperature molding of cast elastomer. Fast evaporation of solvent assures steady production. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.	A ready-to-use, solvent-based polyurethane release optimized for MDI cast elastomer. Fast evaporation of solvent-borne assures steady production. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.	A heavy-duty, solvent-based polyurethane release optimized for MDI cast elastomer. Fast evaporation of solvent-borne assures steady production. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.	A versatile cast urethane release with a special solvents blend to improve wet out and evaporation characteristic. Useful for cast urethane at a wide variety of temperatures. Simply spray on molds to let parts release quickly and easily. This material is ready-to-use and requires no dilution. Best application is achieved by applying a thin coating using a spray system.
Gloss	Gloss	Gloss	Gloss
18°F / -8°C	18°F / -8°C	18°F / -8°C	20°F / -7°C
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••• Highly Recommended      •• Recommended      • Highly Recommended for the Back Side

Cast Urethane	Cast Urethane	Cast Urethane	Cast Urethane
	P160 Polyurethane Release See page 8.		P160 Polyurethane Release See page 8.

# POLYURETHANE MOLD RELEASE...



PRODUCT	M883 Poly Out Polyurethane Release	P160 Polyurethane Release	P229 Polyiso Release	P236 Polyurethane Release
ITEM #	M883PL M883DR	P160PL P160DR	P229PL P229DR P229TR	P236PL P236DR
PRODUCT TYPE	Solvent, Wax-Based	Water-Based, Silicone	Water-Based, Silicone-Based	Water-Based, Silicone-Based
CONTAINER SIZE	M883PL – 5-gallon pail M883DR – 55-gallon drum	P160PL – 5-gallon pail P160DR – 55-gallon drum	P229PL – 5-gallon pail P229DR – 55-gallon drum P229TR – 275-gallon tote	E236CS – 12 oz. aerosol P236PL – 5-gallon pail P236DR – 55-gallon drum
DESCRIPTION	A solvent based wax suspension designed for flexible molded foam. M883 gives a consistent open cell finish and reduces build-up on molds.	A water-based release ideal for urethane elastomer coatings. Released parts can be processed after cleaning. Apply a thin coating on surface to let parts release quickly and easily. Prevents sticking so you can make more high quality parts - every hour, every shift, every day. Best results are achieved by applying just a thin coating.	A concentrated formula optimized to release polyisocyanurate insulation. P229 can be diluted with water and is formulated to eliminate the need for edge trim. Non-flammable. Simply apply to side plates or mold surfaces to let insulation board or parts release quickly and easily. Prevents sticking so you can make more high quality parts - every hour, every shift, every day. This product contains materials that can settle during storage and use. Agitation before and during use is recommended. Best results are achieved by applying a thin coating using a spray system.	A versatile urethane release with a dry spray pattern. Suitable for all types of cast urethane and integral skin foams. Simply spray on molds to let parts release quickly and easily. Prevents sticking so you can make more high quality parts - every hour, every shift, every day. Best application is achieved by applying a thin coating using a spray system..
FINISH	Matte	Gloss	Gloss	Gloss
FLASH POINT	50°F / 10°C	N/A	N/A	N/A
TDI		..	..	..
MDI		..	..	..
INTEGRAL SKIN			...	
FLEXIBLE MOLDED	...			
POLYISOCYANURATE			...	
RIGID		...		
SUGGESTED APPLICATIONS	Flexible Molded Foam	Cast Urethane	Polyiso	
WATER-BASED ALTERNATIVE PRODUCT				



# AND CLEANERS



**B505 PolyOff  
Mold Cleaner and  
Polyurethane Remover**

**B510 PolyOff  
Mold Cleaner and  
Polyurethane Remover**

**B506 PolyOff  
Gel Mold Cleaner and  
Polyurethane Remover**

**B505PL  
B505DR**

**B510PL  
B510DR**

**B506PL  
B506DR**

Solvent-Based

Solvent-Based

Solvent-Based

B505PL – 5-gallon pail  
B505DR – 55-gallon drum

B510PL – 5-gallon pail  
B510DR – 55-gallon drum

B506PL – 5-gallon pail

Powerful lower odor formula helps save time cleaning molds and machinery. Completely removes cured polyurethane, crystallized isocyanates, mold release, and other build-up from tooling, molds, and machinery. Reusable formula cleans light build-up in minutes, heavy build-up overnight, with less odor than Stoner B510 Polyoff. Useful for overnight storage of mix head parts. Use freely on any steel, aluminum and glass molds or parts. Occasional abrasion with brass or nylon scrubbers or brushes speeds cleaning. Test on epoxy, fiberglass or polymer molds prior to use.

Powerful formula helps save time cleaning molds and machinery. Completely removes cured polyurethane, crystallized isocyanates, mold release and other build-up from tooling, molds, and machinery. Reusable formula cleans light build-up in minutes, heavy build-up overnight. Useful for overnight storage of mix head parts. Use freely on any steel, aluminum and glass molds or parts. Occasional abrasion with brass or nylon scrubbers or brushes speeds cleaning. Test on epoxy, fiberglass or polymer molds prior to use.

Unique gelled formula helps saves time cleaning vertical surfaces and areas that cannot be soaked. Completely removes cured polyurethane, crystallized isocyanates, mold release and other build-up from tooling, molds, and machinery. Stiff gel formula cleans light build-up in minutes and heavy build-up overnight, cleaning while it clings to surfaces. Apply with brush or blade. Use on any steel, aluminum and glass molds or parts. Test on epoxy, fiberglass or polymer molds prior to use.

N/A

N/A

N/A

117°F / 47°C

81°F / 27°C

187°F / 86°C

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••• Highly Recommended

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• Highly Recommended for the Back Side

## Will you save money switching from aerosol cans to a bulk liquid release?

Will you save money switching from aerosol cans to a bulk liquid release? This is a frequent question and does not have a simple answer. Here at Stoner we package our own aerosol cans and have control over our manufacturing cost. We believe the best value to your business is obtained by using whatever package type works for your business.



Aerosol cans are a self-contained spraying system and are an excellent choice where there are many servicing several molding stations due to its compact size and portability. Also, aerosol cans are intuitive for employees, difficult to over apply and give consistent results.

Bulk liquid releases work best where there are only a few molding areas. Dedicated application equipment such as sprayers or brushes must be provided at each location where the release will be used. Also, application equipment must be properly adjusted and maintained in order to assure even coverage. In addition, there is an increased risk of over-application, contamination and spillage with bulk liquids.

The best option is to call us and discuss your idea and we can assist with expert advice to help you make the best decision.



# 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. Although less than 1.5 % of transactions are below expectations, 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.



# SERVING MOLDERS SINCE 1942

**Stoner reputation has grown based on quality products and service.** Here are just a few of the brands you can depend on from Stoner:

## Mold Release

Stoner Molding Solutions 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 businesses.

In the 1960s Stoner's success with rubber molding led to release agents for thermoplastic injection. By the 1970s Stoner expanded into polyurethane molding. 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.

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.

## Auto Industry

Stoner Car Care products grew naturally from plastics molding. In the 1960s Stoner developed the first aerosol dressing called "No-Rub Polish," which restored shine to faded trim without wiping. It quickly became a favorite of auto dealers and detailers. In the 1970s and 1980s new cleaners, waxes, and polishes were added and in the 1990s Stoner offered concentrates for self serve and automatic car washes. Today Stoner Car Care products are preferred by car wash, detailing, and restoration professionals worldwide.

As Stoner Car Care products gained favor with professionals, consumers increasingly requested to purchase them. In 1996 Stoner Car Care products were first offered in automotive retail stores and their popularity grew steadily thereafter.

## Auto Glass Revolution

Invisible Glass became America's #1 selling automotive glass cleaner in 2009 and has retained that ranking ever since. As demand increased for its streak-free performance and superior cleaning power, it was made available in pump spray bottles and wipes in a canister.

In 2012 Invisible Glass was launched at grocery stores where its popularity has steadily grown. Today Invisible Glass is a recognized, trusted glass care brand.



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**StonerMolding.com**  
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