

HERNON[®]
Formulating Solutions

**ADHESIVES & SEALANTS
CATALOG**



HERNON.COM

ABOUT US

Hernon Manufacturing Inc.® specializes in the production and distribution of high-performance adhesives, sealants and precision application equipment. Hernon was established in New York in 1978 and has been headquartered in Sanford, Florida since 1990.

Hernon's product portfolio includes over 5000 unique formulas for anaerobic adhesives, cyanoacrylates, epoxies, acrylics, UV curing adhesives/sealants and many more. We also provide custom adhesive formulations and application solutions to meet specific customer requirements. With a focus on innovation, quality and customer satisfaction, Hernon has established a global presence and serves customers in over 66 countries. Our products are known for their durability, strength and ability to withstand even the most challenging environmental conditions.

Over the past four decades, Hernon has become a globally recognized leader in ammunition sealing technology. Our unique sealant formulas and application process seals and protects all calibers of ammunition from contamination due to water or chemical exposure. All of Hernon's ammunition sealants are single component, contain zero solvents, are UV/anaerobic curable and seal both primers and casemouths. We also produce a range of precision dispensing/curing equipment that significantly reduce waste and production time.

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INDEX

BONDING:

STRUCTURAL BONDING:

- » FUSIONBOND® - Two Component Methacrylate.....Pg. 5
- » HASA® - Herson® Anaerobic Structural Adhesive.....Pg. 6
- » ReACT® - Two Part Structural Acrylic Adhesive.....Pg. 7
- » TUFFBOND® - Single & Two Part Epoxies.....Pg. 8-9

ELASTOMERIC BONDING:

- » SUPERTACKER® - One Component, Elastomeric.....Pg. 10
- » SILASTOMER® - Silicone Adhesive.....Pg. 11

INSTANT BONDING:

- » INSTANTBOND® - Rapid Cure Cyanoacrylate.....Pg. 12-13
- » QUANTUM® - Rapid Cure, Surface Insensitive.....Pg. 14-15

THERMALLY CONDUCTIVE:

- » DISSIPATOR® - Thermally Conductive Adhesive.....Pg. 16

UV BONDING:

- » ULTRABOND® - UV Curing Adhesives & Coating.....Pg. 17

THREAD SEALING & THREADLOCKING:

- » DRIPSTOP® - Anaerobic Pipe Sealants.....Pg. 18
- » SELFSEALER® - Pre-Applied Thread Sealants.....Pg. 19
- » NUTS N' BOLTS® - Anaerobic Threadlockers.....Pg. 20-21
- » THREADPASTE® - Anaerobic Threadlocking Compound.....Pg. 22
- » SELF LOCKER® - Pre-Applied Threadlocker.....Pg. 22
- » POWERSEAL® - Instant Seal Pipe Sealant.....Pg. 23

RETAINING:

- » CYLINLOCK® - Anaerobic Sealing, Cylindrical Surfaces.....Pg. 24-25

GASKETING:

- » GASKET REPLACER® - Anaerobic Gasket Sealing.....Pg. 26
- » UV FOG - UV Curable Form-On-Gasket, Cure-In-Place Gasket.....Pg. 27

INDEX

SPECIFIC APPLICATION PRODUCTS:

- » BRAKE BONDER - Nitrile / Phenolic Solvent-Based.....Pg. 28
- » WINDSHIELD WELDER® - UV Curing Windshield Repair.....Pg. 28
- » VOICE COIL BONDER® - Vibration & Heat Resistant Coating.....Pg. 29
- » WATERPROOFER 25 - Synthetic Rubber Based Protective Coating.....Pg. 29
- » WELD SEALANT® - One Component, Anaerobic Penetrating Adhesive/SealantPg. 30
- » METAL CEMENT® - High Strength, Anaerobic; Quickly Repair Worn Machinery Parts.....Pg. 30
- » RUST ELIMINATOR® - Chemically Transforms Rust To Inert Coating.....Pg. 31
- » TAMPER PROOF® - Water-Based Masking Product.....Pg. 31

SPECIALTY PRODUCTS:

- » H.P.S. - Hernon Porosity Sealants / Impregnation Resins.....Pg. 32
- » AMMUNITION SEALANTS - Dual Cure (UV/Anaerobic) Ammo Waterproofing Sealants.....Pg. 33

CLEANERS:

- » CA REMOVER® - Dissolves Cured Cyanoacrylates.....Pg. 34
- » CHEMICAL STRIPPER 30 - Chemical Remover & Cleaner.....Pg. 34
- » CLEANER 62 - Non-Aqueous, Non-CFC Industrial Cleaner.....Pg. 34

SUPPORT PRODUCTS:

- » ACCELERATORS - Accelerates The Curing Process.....Pg. 35
- » ACTIVATORS - Activates The Curing Process.....Pg. 35
- » PRIMERS - Primes Surfaces To Improve Adhesion.....Pg. 35
- » ADHESION PROMOTERS - Improves Adhesion On Low Surface Energy Substrates.....Pg. 35

SPECIFICATIONS:

- » MILITARY SPECIFICATIONS - MIL-SPEC Compliant Products.....Pg. 36- 37

APPLICATION EQUIPMENT:

- » SURESHOT® DISPENSING VALVES.....Pg.38
- » ULTRACURE® UV LED CURING LIGHTS & UV CURING SYSTEMS.....Pg. 39
- » TURNKEY & CUSTOM EQUIPMENT.....Pg. 39

FUSIONBOND®: Two Component Methacrylates

STRUCTURAL ADHESIVE BONDS STRONGER THAN STEEL

Heron's Fusionbond® is a family of two-component, modified methacrylate structural adhesives designed for bonding a variety of substrates with minimal surface preparation. Fusionbond® offers the highest impact resistant bonds available today.



Scan For A Fusionbond Demo Video

UNPARALLELED RESISTANCE TO IMPACT, CHEMICALS AND FATIGUE!

SIGNIFICANT FEATURES & ADVANTAGES OF FUSIONBOND®:

- Superior Fatigue, Impact And Environmental Resistance
- Reduced Cost Per Application Over Alternative Fastening Methods
- Excellent Water And Chemical Resistant Grades Available
- Diffuses Stress Across The Entire Bonded Surface
- Exceptional At Bonding Dissimilar Materials
- 100% Reactive
- Replace Heavy Metal Fasteners With Lightweight Polymers



FUSIONBOND® TYPICAL VALUES								
GRADE	MIX RATIO PARTS A&B (BY WEIGHT)	COLOR	VISCOSITY (cP)	HARDNESS SHORE D	SHEAR STRENGTH (24hrs) psi	IMPACT STRENGTH (24hrs-Joules)	WORKING LIFE (MINUTES)	FIXTURE LIFE (MINUTES)
<u>370</u>	1:1	Blue (A) Pale Yellow (B)	40,000 - 64,000	75-80	STEEL: 4000-7000 ALUMINUM: 3500-6000	STEEL ≥ 10 ALUMINUM ≥ 5	10-20	10-15
<u>371</u>	1:1	White (A) Off White (B)	40,000 - 64,000	75-80	STEEL: 4000-7000 ALUMINUM: 3500-4500	STEEL ≥ 10	15-30	15-30
<u>374</u>	One Part (Cure w Act56 or 15)	Clear	35,000 - 50,000	-	STEEL: 3000-5000 ALUMINUM: 2500-4500	STEEL ≥ 30	4-6	4-6
<u>375</u>	1:1	Blue (A) Pale Yellow (B)	40,000 - 64,000	75-80	STEEL: 4000-7000 ALUMINUM: 3000-4500	STEEL ≥ 12 ALUMINUM ≥ 5	5-10	5-10

Fusionbond® is sold in the following sizes: 50ml, 400ml, 1 Quart, 1 Liter, 4.4lbs, 40lbs

BONDABLE SUBSTRATES FOR FUSIONBOND®:

- ABS
- Ceramics
- Nylon 6
- Polyurethanes
- Styrenics
- Acrylics
- Copper
- PBT Blends
- PVC & Vinyls
- Titanium
- Aluminum
- Fiberglass
- Phenolics
- Rubber
- Brass
- Gel Coats
- Polycarbonate & Blends
- Stainless Steel

HASA®: Herson Anaerobic Structural Adhesive

EXCELLENT FOR BONDING MAGNETS TO SPEAKERS AND MOTORS!

HASA adhesives are highly engineered to combine high tensile and peel strengths with excellent impact and temperature resistance for specific assembly requirements. Cured HASA adhesives are highly cross-linked structural thermoset plastics with excellent properties over a broad range of operational conditions.

Engineered for use on metals, glass, ceramics, thermoset plastics and/or filled thermoplastics.

SIGNIFICANT FEATURES & ADVANTAGES OF HASA®:

- Excellent Gap Filling Abilities (Up To .040")
- Excellent Temperature Stability
- Cure Is Achieved By The Exclusion Of Air And/Or Using A Herson® Activator
- Easily Dispensed To Reduce Assembly Times & Costs
- Easy Clean Up. Simply Wipe Away Uncured Adhesive
- Single Component, No Mixing

HASA®: TYPICAL VALUES						
GRADE	COLOR	VISCOSITY (cP)	SPECIFIC GRAVITY @ 25°C	CURING ACTIVATOR	SHEAR STRENGTH (24hrs) psi	FIXTURE LIFE (SECONDS)
716	Amber	2800-3200	1.08	Primer 50	STEEL: 1500-2500 ALUMINUM: 1000-2000	<30
718	Amber	10,000 - 20,000	1.10	Primer 56	STEEL: 2500-4000	<120
722	Amber	8,800 - 13,000	1.08	Primer 50	STEEL: 1500-2500 ALUMINUM: 1000-2000	<30
66071	Amber	15,000 - 18,000	1.12	Primer 50	STEEL: 1500-2500 ALUMINUM: 1500-2500	<20

HASA® is sold in the following sizes: 25ml, 50ml, 250ml, 1 Liter, 10 Liters



TYPICAL APPLICATIONS FOR HASA®:

- Bonding Ferrite To Plated Metals In Electric Motors
- Bonding Magnets In Loudspeaker Manufacturing
- Bonding Jewelry Components
- Bonding Rearview Mirrors To Glass
- Bonding Ceramics
- Where A Fast Setting Adhesive With Structural Properties Is Needed

ReACT®: Two-Part, No Mix Structural Acrylic Adhesives

Heron's ReACT® family of structural adhesives provide excellent adhesion to a wide variety of surfaces, good gap filling properties, consistent bond strength and excellent impact, shock and temperature resistance. ReACT® adhesives feature the speed, versatility and incredible shear strength of acrylic adhesives and offer high peel and flexure strength in a convenient, two-component, no-mix system.

ReACT® adhesives have found wide acceptance in a variety of structural bonding applications due to their versatile performance capabilities.

SIGNIFICANT FEATURES & ADVANTAGES OF ReACT®:

- Designed For Easy Application, High-Speed Production & Maximum Time For Precise Part Alignment
- High Peel & Impact Strength For Superior Bonding Ability - Even On Oily Surfaces
- Excellent Adhesion To A Wide Variety Of Substrates (Ceramic, Glass, Metal, Concrete, Plastics & More)
- Delivers Tough, Durable, Shock & Weather Resistant Bonds
- Gap Fill To 0.030" & Operating Temperatures Up To 400°F
- Many Grades Available To Meet Your Unique Needs

ReACT® TYPICAL VALUES						
GRADE	COLOR	VISCOSITY (cP)	SPECIFIC GRAVITY @ 25°C	CURING ACTIVATOR	SHEAR STRENGTH (N/mm2 psi)	FIXTURE TIME (MIN)
727	Off White	56000-64000	1.07	Activator 56	2500-3500	< 25 SECS
730	Light Yellow	60000-80000	1.09	Activator 56 Activator 59	2500-3500	< 3 MIN
761	Pale Yellow	80000-120000	1.01	Activator 59 Activator 63	2000-3500	< 3 MIN
766	Clear Yellow	70000-90000	0.97	Activator 59 Activator 63	1500-2500	2-5 MIN
767	Off White	50000-70000	1.08	Activator 56	1500-2500	15-25 SEC
783	Clear Yellow	18000-22000	0.97	Activator 59 Activator 63	2000-3500	< 5 MIN
784	White	40000-60000	0.97	Activator 15	3000-4000	< 4 MIN
795	Off White	56000-64000	1.07	Activator 47 Activator 56	2000-3000	< 25 SECS

ReACT® is sold in the following sizes: 10ml, 25ml, 50ml, 300ml, 1 Liter, 15 Liters

TYPICAL APPLICATIONS FOR ReACT®:

- Bonding Permanent Magnets
- Bonding Ferrites, Plastic & Metal Strips
- Bonds Galvanized, Phosphate & Dichromate Surfaces
- Bonding Pre-Coated Sheet Metal
- DC Motor Assembly

TUFFBOND®: Single & Two Part Epoxies

**EXCELLENT FOR BONDING MAGNETS TO SPEAKERS & MOTORS;
OUTSTANDING POTTING CAPABILITIES!**

Heron's **Tuffbond**® epoxies give superior strength, moisture, chemical and heat resistance. Curing mechanisms include two-component chemically reactive curing and single-component heat curing. By changing the ratio of resin and hardener, **Tuffbond**® epoxies can be adjusted to cure to tough yet flexible or hard and rigid.

TWO-PART TUFFBOND® TYPICAL VALUES						
GRADE	COLOR (MIXED)	MIXING RATIO (A/B)	VISCOSITY cP (MIXED)	WORKING LIFE (100g), MINUTES	HARDNESS, SHORE D	SHEAR STRENGTH, RT
302	Off White	1:1	50000-60000	≤ 5	85-90	≥ 1500
303	Off White	1:1	90000-160000	40-60	70-80	≥ 2000
304	Black	1:1	11000-18000	4-7	80-90	≥ 2000
305	Yellow	1:1	11000-17000	4-7	85-90	≥ 2000
312	Grey	1:1	80000-130000	3-4 Hours	60-75	-
313	Light Yellow	1:1	18000-26000	40-60	70-80	≥ 2500
315	Light Yellow	1:1	8500-11500	≤ 15	80-85	≥ 2000
316	Black	100:40-110	8000-20000	2-3 Hours	70-75	≥ 2000
317	Amber	100:40-110	10000-20000	80-100	60-70	≥ 2000
318	Amber	1:1	8500-11500	≤ 15	70 - 85	≥ 1500
321	Light Yellow	1:1	10000-16000	3-4 Hours	25-35 (Shore A)	≥ 100
326	Light Yellow	2:1	1000-5000	≤ 120	80-95	≥ 2000
394	Amber	One Component	44000-56000	≤ 90 sec. @ 150°C	80-85	≥ 2000
394HV	Amber	One Component	44000-56000	≤ 90 sec. @ 150°C	80-85	≥ 2000
397	Amber	One Component	44000-56000	≤ 90 sec. @ 150°C	80-85	≥ 2000
47771	Black	1:1	60000-75000	40-60	70-80	≥ 2000
47772CT	Black	1:1	60000-70000	40-60	70-80	≥ 2000
65891	Blue	1:1	11000-18000	≤ 3 Hours	70-80	≥ 3000

TYPICAL APPLICATIONS FOR TUFFBOND® EPOXIES:

- Tank Lining
- Structural Bonding
- Bonding Speaker Voice Coils
- Encapsulating
- Fiber-Optic Potting
- Gel Coats For Chemical Resistant Flooring
- Bonding Magnets
- Potting Electronics

SIGNIFICANT FEATURES & ADVANTAGES OF TUFFBOND® EPOXIES:

- Reduced Cost Per Application Over Alternative Fastening Methods
- Diffuses Stress Across The Entire Bonded Surface
- Bonds Using Lightweight Polymers
- 100% Active - No Solvents
- Seal And Fills Gaps At The Same Time As Bonding
- Water And Chemical Resistance
- Prevents Corrosion Of Bonded Assembly
- Apply Across The Entire Bonding Surface In One Step
- Custom Formulas Available Such As UV Curing Epoxies

TUFFBOND® cont'd		
GRADE	Tg °C (Glass Transition Temperature)	THERMAL CONDUCTIVITY (W/mK)
302	124	0.567
303	77	0.65
304	127	-
305	127	0.522
312	8.3	-
313	63	0.4
315	45	-
316	-	-
317	65	0.24
318	45	-
321	2	-
326	-	-
394	128	-
394HV	128	-
397	128	-
47771	77	0.65
47772CT	77	-
65891	69	-

TUFFBOND® 322 OFFERS CLEAR POTTING:



Tuffbond® is sold in the following sizes: 50ml, 300ml, 400ml, 1 Quart, 1 Gallon, 5 Gallons

SUPERTACKER®: Elastomeric Adhesives

EXTREMELY VERSATILE, SINGLE COMPONENT & HIGH PERFORMANCE ELASTOMERIC ADHESIVES!

Supertacker® is a family of single component, high performance elastomeric adhesives that exhibit exceptional bonding characteristics to a broad range of materials and that outperforms silicones, acrylics and rubber cement because they bond to more surfaces with greater strength and durability.

SIGNIFICANT FEATURES & ADVANTAGES OF SUPERTACKER®:

- Excellent Bonding Characteristics While Providing A Tough, Waterproof Bond That Will Not Crack Or Become Brittle
- Outperforms Silicones, Acrylics & Rubber Cements With Greater Strength, Durability & Versatility
- Excellent Chemical & Environmental Resistance
- Remains Flexible In All Weather Conditions

SUPERTACKER® TYPICAL VALUES								
Grade	Color	Viscosity, cP	Tensile Strength (psi) ASTM D412	Dry Time (Minutes)	Temperature Range °C (°F)	Elongation	Dielectric Strength	Hardness Shore A
351	Clear	40,000 - 60,000	3500	≤ 30	-40 to 150° (-40 to 302°)	900	400	80
352	Black	44,000 - 56,000	3500	≤ 30	-40 to 150° (-40 to 302°)	900	400	80
353	Clear	11,000 - 16,000	3500	≤ 20	-40 to 150° (-40 to 302°)	900	400	80
357	Clear	90,000 - 150,000	3500	≤ 30	-40 to 150° (-40 to 302°)	900	400	80
358	Black	150,000 - 200,000	3500	≤ 30	-40 to 150° (-40 to 302°)	900	400	80
67662	Red	50 - 100	≤ 2000	1 - 3 (on brass)	-40 to 150° (-40 to 302°)	-	-	-

Supertacker® is sold in the following sizes: 5oz, 20 grams, 1 Quart, 300ml, 1 Gallon, 5 Gallons

TYPICAL APPLICATIONS FOR SUPERTACKER®:

- Bonding Glass, Metal, Plastics, Wood
- Reinforcing Metal Seams
- Bonding Dust Caps To Baskets For Loudspeakers
- Affix Plastic Moldings And Trim
- Insulating Electrical Connections
- Sealing Tanks & Pipes
- Repair Torn Vinyl Mats
- Reinforce Metal Seams in HVAC Systems

SILASTOMER®: Silicone Adhesives & Sealants

EXCELLENT FOR WATERPROOFING!

Silastomer® is a line of flange gasket and sealing silicones. Silastomer® products offer excellent moisture resistance and large gap filling abilities. Various Silastomer® formulas include an acetoxy cure for general-purpose usage and/or oxime cure for electrical and electronic components.

SIGNIFICANT FEATURES & ADVANTAGES OF SILASTOMER®:

- High Performance, Single Component, Silicone Gasketing Materials Which Cure Into Strong, Durable And Flexible Silicone Rubber
- 100% Silicone Compounds That Offer Excellent Resistance To Moisture, Extreme Temperatures, Vibration, Weathering Effects, UV Radiation & More
- Can Be Applied In Sub-Zero Weather With No Loss In Performance
- Begins To Cure Immediately Upon Contact With Air
- All grades have thixotropic paste viscosity
- Multiple Formulas Available To Meet Varying Needs
(ie: High Temperature Resistance, Low Outgassing, etc.)

SILASTOMER® TYPICAL VALUES									
Grade	Color	Tensile Strength	Temperature Range, °F (°C)	Tack Free Time: (¼" Bead) Min.	Hardness Shore A	Base	Elongation %	Dielectric Strength KV/mm	Shrinkage %
333	Clear	≥ 175	-70 to 400 (-56 to 204)	≤ 30	18 - 30	Clear Acetoxy Silicone	≥ 350	≥ 25	≤ 5
334	White	≥ 175	-70 to 400 (-56 to 204)	≤ 30	18 - 30	White Acetoxy Silicone	≥ 350	≥ 25	< 5
336	Black	≥ 175	-74 to 400 (-56 to 204)	≤ 30	18 - 30	Black Acetoxy Silicone	≥ 350	≥ 25	≤ 5
340	Red	≥ 175	-50 to 500 (-46 to 260)	≤ 30	18 - 30	Acetoxy	≥ 350	-	-
343	Black	≥ 175	-70 to 400 (-56 to 204)	≤ 30	18 - 30	Oxime Silicone	≥ 350	≥ 18	-

Silastomer® is sold in the following sizes: 3oz, 6oz, 300ml, 40lbs

TYPICAL APPLICATIONS FOR SILASTOMER®:

- Adheres To Clean Metals, Glass, Most Types Of Wood, Silicone Resin, Vulcanized Silicone Rubber, Natural And Synthetic Fibers, Ceramics, Many Plastics & Other Non-Porous Surfaces

INSTANTBOND®: Rapid Cure Cyanoacrylates

FAST CURING, ROOM TEMPERATURE USE

Cyanoacrylate adhesives are also commonly known as “Instant Glues” or “Super Glue” and are abbreviated as “CAs” within the adhesive industry. Common fixture times for CAs range between 2 and 50 seconds depending on the substrate. While stronger bonds are available in epoxies and other long curing adhesives, cyanoacrylates can still produce significant holding power and are often available at a lower cost. Common substrates that cyanoacrylate adhesives bond include metals, rubbers, most plastics and more.

MANY MIL-SPEC GRADES AVAILABLE!



SIGNIFICANT FEATURES & ADVANTAGES OF INSTANTBOND®:

- Multiple Viscosities & Curing Times To Choose From
- Special Surface Insensitive Or Low Blooming Formulas Available
- Excellent Adhesion To A Wide Variety Of Substrates
(Metal, Electronics, Rubber, Ceramics, Vinyl, Plastics & More)
- One Drop Is Typically Sufficient For Bonding One Square Inch Of Surface Area
- Low Cost Compared To Other Adhesive Alternatives
- Custom Formulas Available



INSTANTBOND® TYPICAL VALUES						
GRADE	COLOR	VISCOSITY cP	FIXTURE TIME (SECONDS)	SHEAR STRENGTH psi (Cured 24 hours @ 22°C)	TEMPERATURE RANGE, °C (°F)	CYANOACRYLATE TYPE
109	Clear	2-12	STEEL 25-40 ALUMINUM 10-25 POLYCARBONATE 20-40	STEEL 2900-4400 ALUMINUM 2200-3200 POLYCARBONATE 750-2900	-55 to 120 (-67 to 248)	ETHYL
110	Clear	85-200	STEEL ≤ 20 ALUMINUM ≤ 120	STEEL 2900-4400 ALUMINUM 2200-3200 POLYCARBONATE 750-2900	-55 to 120 (-67 to 248)	METHYL
112	Clear	6-16	STEEL ≤ 15	STEEL 2900-4400 ALUMINUM 2200-3200 POLYCARBONATE 750-2900	-55 to 82 (-67 to 180)	METHYL
113	Clear	50-65	STEEL (W/ ACCEL 72) ≤ 180 ABS ≤ 30 POLYCARBONATE ≤ 45	STEEL 1750-3800 ALUMINUM 1750-2800 POLYCARBONATE 2175-3625	-55 to 82 (-67 to 180)	ETHYL
117	Clear	1300-1700	STEEL (W/ ACCEL 72) ≤ 180 PHENOLIC 10-20 POLYCARBONATE ≤ 45	STEEL ≥ 2200 ALUMINUM 1750-2800 POLYCARBONATE 750-2900	-55 to 82 (-67 to 180)	ETHYL
119	Clear	5-15	PHENOLIC ≤ 5 POLYCARBONATE ≤ 20	STEEL 2200-3800 ALUMINUM 1750-2800 POLYCARBONATE 870-2900	-55 to 82 (-67 to 180)	ETHYL
121	Clear	2000-2800	POLYCARBONATE ≤ 45	STEEL ≥ 2000	-54 to 121 (-65 to 250)	ETHYL
123	Clear	100-120	STEEL (W/ ACCEL 72) 30-50 PHENOLIC 20-40	STEEL 2600-3800 ALUMINUM 1600-2800 POLYCARBONATE > 725	-55 to 82 (-67 to 180)	ETHYL
127	Clear	15000-40000	STEEL (W/ ACCEL 72) ≤ 180 POLYCARBONATE ≤ 45	STEEL 2600-3800 ALUMINUM 1600-2800 POLYCARBONATE > 750	-55 to 82 (-67 to 180)	ETHYL

Instantbond® is sold in the following sizes: 1oz, 20 grams, 100 grams, 500 grams, 2kg, 10kg

TYPICAL APPLICATIONS FOR INSTANTBOND®:

- Speaker Components
- Gears To Shafts
- Heat Sinks
- Wire Tacking
- Rubber Bumpers
- Name Plates
- Gaskets
- Potting Transistors
- Wiper Blades
- O-rings
- Golf Club Parts
- P.C. Boards

QUANTUM®: Special Performance Cyanoacrylates

CHOOSE FROM THREE CATEGORIES OF QUANTUM® CYANOACRYLATE ADHESIVES

Heron's family of **Quantum®** adhesives are state-of-the-art, single component, rapid room temperature curing cyanoacrylates capable of bonding a wide variety of surfaces and substrates. **Quantum®** cyanoacrylates are offered in three distinct categories:

- **SURFACE INSENSITIVE:** Excel where other "classic" CA's fail. Some grades offer longer fixture times to allow for ample working time, varying viscosities, etc. Capable of bonding many exotic combinations of materials.
- **LOW-ODOR, LOW BLOOMING:** Specially modified formulations to eliminate vapor transmissions and adhesive residue. Great for use in poorly ventilated areas or on items which require cosmetic appeal.
- **TOUGHENED, FLEXIBLE:** Modified with plasticizers to extend the impact, tensile shear and stress resistance of CA's. This group of Quantum® adhesives are engineered for environmental resistance, high temperatures, thermal cycling, humidity and high shock applications.

SIGNIFICANT FEATURES & ADVANTAGES OF QUANTUM®:

- Highly Engineered CA's Designed To Deliver Advanced Results Where "Classic" CA's Struggle Or Fail.
- Surface Insensitive Grades Are The Best Choice For Bonding Composite, Porous &/Or Exotic Combinations Of Substrates.
(Acidic, Leather, Freshly Plated & Wooden Surfaces)
- Low-Odor, Low Blooming Grades Develop Handling Strength In Seconds & Full Strength In Hours.
(Use On Metals, Thermoplastics, Elastomers, Ceramics, Cork, etc.)
- Toughened, Flexible Grades Deliver Strength & Superior Toughness & Are Good Replacements For Epoxies In Many Applications.

TYPICAL APPLICATIONS FOR QUANTUM®:

- | | | |
|----------------------|------------------|-------------------|
| • Speaker Components | • Rubber Bumpers | • Wiper Blades |
| • Gears To Shafts | • Name Plates | • O-rings |
| • Heat Sinks | • Gaskets | • Golf Club Parts |

QUANTUM® TYPICAL VALUES

GRADE	COLOR	VISCOSITY @25°C, cP	FIXTURE TIME (SECONDS)	LAP SHEAR STRENGTH	TEMPERATURE RANGE, °C (°F)
124	Clear	20-35	PHENOLIC ≤ 40	STEEL (GRIT BLASTED) ≥ 2000	-55 to 120 (-65 to 248)
150UV	Clear	1-20	STEEL ≤ 30 PHENOLIC ≤ 20	STEEL (GRIT BLASTED) ≥ 1000	-55 to 82 (-65 to 180)
156	Clear	1600-3000	STEEL 35-45 ALUMINUM 20-40 POLYCARBONATE 30-50	STEEL (GRIT BLASTED) ≥ 3000 ALUMINUM (ETCHED) ≥ 2200 POLYCARBONATE ≥ 1000	-55 to 120 (-65 to 248)
157	Clear	400-800	PHENOLIC ≤ 60 RUBBER ≤ 15	STEEL (GRIT BLASTED) ≥ 2000	-55 to 82 (-65 to 180)
158	Clear	80-120	STEEL ≤ 120 PHENOLIC ≤ 10	STEEL (GRIT BLASTED) ≥ 2000	-55 to 82 (-60 to 180)
73421	Clear	80-200	STEEL < 20 ALUMINUM < 30 POLYCARBONATE 5-10	STEEL (GRIT BLASTED) ≥ 2000 ALUMINUM (GRIT BLASTED) ≥ 2000 POLYCARBONATE ≥ 1000	-40 to 100 (-40 to 212)

Quantum® is sold in the following sizes: 1oz, 20 grams, 500 grams, 2kg, 10kg



DISSIPATOR®: Thermally Conductive Adhesives

THE BEST VALUE DISSIPATORS AVAILABLE ANYWHERE!

Dissipators are thermally conductive, room temperature curing adhesives that are designed for bonding electrical components to heat sinks with controlled gaps. Through a special shimming property, **Dissipator®** insulates the component electrically while allowing thermal conductivity. This special feature produces a constant gap of 0.005” to 0.006” between components.

GRADES AVAILABLE:

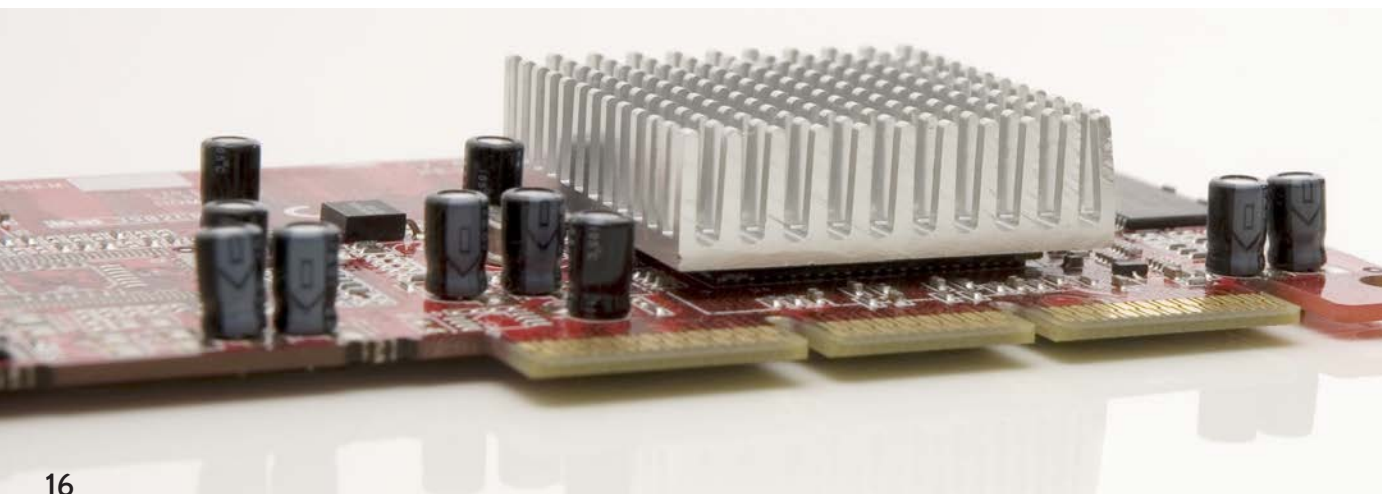
- **319:** Room Temperature Curing, Two Component Thermal Conductive Epoxy For Potting Applications.
- **745D:** (Blue Paste) Self-Leveling / Self-Shimming; Insulates To 500 Volts; Broad Heat Sink Use.
- **746D:** (White Paste) Controlled Bond Strength To Facilitate Field Servicing Of Components; Easily Replace Parts.

SIGNIFICANT FEATURES & ADVANTAGES OF DISSIPATOR®:

- Structural Acrylics For Bonding Electrical Heat Sink Components To Circuit Boards
- Excellent Heat Dissipation For Thermally Sensitive Components
- Thermal Conductivity Is Assured & Electrical Shorting Is Prevented By The Insulating Characteristics of Herson's Dissipator Adhesives
- Fast Room Temperature Cure

DISSIPATOR® TYPICAL VALUES								
GRADE	COLOR	VISCOSITY @ 77°F, cP	FIXTURE TIME @ ROOM TEMP	TENSILE STRENGTH (psi, ASTM D638)	TEMP. RANGE °C (°F)	DIELECTRIC CONSTANT @ 1kHz	ELONGATION	COEFFICIENT OF THERMAL CONDUCTIVITY W/(m.K)
319 2 Part: 16:1 Ratio	A: BLACK B: CLEAR	A: 30000-50000 B: 3-20	3-4 Hours	285	-55° to 240° (-65° to 464°)	4.019	0.41	1.1 - 1.4
745D	BLUE	300,000 - 800,000	< 5 MINUTES (w/ Activator 63)	491.55	-55° to 150° (-65° to 300°)	4.6	1.61	0.927
746D	WHITE	500,000 - 1,000,000	< 5 MINUTES (w/ Activator 63)	461.91	-55° to 150° (-65° to 300°)	5.29	0.86	0.92

Dissipator® is sold in the following sizes: 20 grams, 2oz, 25ml, 300ml, 1 Liter, 10 Liters



ULTRABOND®: UV Curing Adhesives

HIGH STRENGTH BONDS THAT CURE IN SECONDS UPON EXPOSURE TO UV LIGHT!

Ultrabond® adhesives remain uncured until exposed to ultraviolet light. Herson® offers a broad range of Ultrabond® adhesives to meet many production demands including bonding glass to glass, glass to metal, bonding most plastics, wire tacking, potting and bonding rigid or flexible PVC to polycarbonates.



Scan For An
Ultrabond
Video

SIGNIFICANT FEATURES & ADVANTAGES OF ULTRABOND®:

- Numerous Grades Of Ultrabond® Offer A Selection Of UV Light Or UV Light & Primer Initiated Curing To Meet Your Specific Production Needs
- Remains Flexible
- Good Impact, Heat & Environmental Resistance
- Use Herson® Primers To Fully Cure Ultrabond® Adhesives Anaerobically To Obtain Fixturing Strength Prior To Final UV Curing & To Promote Deeper Cures
- All Ultrabond® Adhesives Best Respond To Exposure To Traditional & Herson® UV Curing Systems

ULTRABOND® TYPICAL VALUES

Grade	Color	Viscosity (cP)	Refractive Index	Hardness After 24 Hrs	Shear Strength, Glass-Glass (psi)	Shear Strength, Glass-Steel (psi)	Temperature Range °C
721	Lt Yellow	700 - 1200	1.481	40-80 shA	≥ 200	Polycarbonate ≥ 100	-55 to 120
721LV	Lt Yellow	150 - 400	1.479	40-80 shA	≥ 200	Polycarbonate ≥ 100	-55 to 120
740	Clear	6,000 - 7,300	1.476	55-70 shD	≥ 500	≥ 100	-55 to 121
748	Clear	1,200 - 3,000	1.475	55-65 shA / 25-35 shD	≥ 300	≥ 100	-
752	Amber	3,500 - 5,000	1.496	65-75 shA	≥ 250	≥ 450	-55 to 135
758	Clear	270 - 350	1.48	75-85 shD	≥ 1000	≥ 300	-54 to 120
773	Clear	15,000 - 25,000	1.475	65-75 shD	≥ 500*	> 500*	-55 to 150
774	Red	2000-3000	1.484	75-85 shD	-	≥ 300	-
786	Lt Yellow	9000-15000	1.47	55-65 shA	50-150	≥ 100	-
787	Yellow	4,000 - 6,000	1.484	55-65 shD	≥ 350	Polycarbonate ≥ 500	-55 to 150
3443	Clear	15,000 - 35,000	1.47	40-50 shD	> 300*	> 300*	-55 to 121
55711	Orange	450,000 - 550,000	N/A	-	≥ 500	100-350	-55 to 150
71813	Clear	15,000 - 35,000	1.47	40-50 shD	> 300*	> 300*	-55 to 121

Ultrabond® is sold in the following sizes: 25ml, 50ml, 600ml, 1 Liter, 10 Liters

TYPICAL APPLICATIONS FOR ULTRABOND®:

- Glass To Glass
- Potting
- Bonding Rigid & Flexible PVC
- Glass To Metal
- Wire Tacking
- Waterproofing LED Lighting & Electronic Assemblies
- Some Plastics
- Coating

DRIPSTOP®: Anaerobic Pipe Sealants

SUPERIOR TO CONVENTIONAL PIPE DOPES & TAPES!

Dripstop® pipe sealants replace expensive, hard-to-use Teflon® tape to seal threaded components and provide an instant seal which then hardens to secure assemblies. Dripstop formulations are single-component, 100% active sealants that cure when air is omitted between the mating surfaces of threaded pipe fittings.

SIGNIFICANT FEATURES & ADVANTAGES OF DRIPSTOP®:

- Engineered To Provide Many Distinct Advantages Over Conventional Pipe Dopes For Plumbing, Refrigeration & Hydraulic Applications
- Dripstop Pipe Sealants Contain No Solvents & Do Not Shrink Due To Solvent Evaporation, Stretch, Split, Rot Or Wear Out Over Time
- Joints Sealed With Dripstop Never Loosen From Vibration
- Dripstop Forms A Tough, Insoluble Seal That Will Not Leak Even If The Threads Are Damaged
- Dripstop Products Do Not Shred Like Tape Dopes
- All Grades Of Dripstop Have Pressure Resistance Up To 10,000 psi

DRIPSTOP® TYPICAL VALUES

Grade	Color	Viscosity cP	Temperature Range, °C (°F)	Breakaway Torque N•m (in-lbs) @RT	Prevailing Torque N•m (in-lbs) @RT
912	Red	4,000 - 6000	-55 to 150 (-65 to 300)	150-350	150-350
920	White	300,000 - 350,000	-55 to 204 (-65 to 400)	≥ 50 (@95°C)	-
921	Yellow	50,000 - 110,000	-73 to 149 (-100 to 300)	53-133	28-85
923	White	224,000 - 384,000	-55 to 150 (-65 to 300)	25-60	5-30
929	White	300,000 - 500,000	-55 to 204 (-65 to 400)	≥ 50 (@95°C)	-
940	White	800,000 - 1,280,000	-55 to 204 (-65 to 400)	10-55	5-25
943	Yellow	100 - 250	-55 to 150 (-65 to 300)	30-100	7-13.3
945	Brown	450 - 600	-55 to 150 (-65 to 300)	30-40	15-20
946	Brown	350 - 700	-55 to 150 (-65 to 300)	70-180	50-115
947	Brown	12,000 - 16,000	-55 to 150 (-65 to 300)	10-30	10-20

Dripstop® is sold in the following sizes: 50ml, 250ml, 850ml, 1 Liter, 10 Liters, 14 Liters



For use in devices handling gasoline, petroleum oils, natural gas (pressure not to exceed 300 psig), butane and propane not exceeding 2 in. pipe size. 29R9.

GRADES: 920, 929, 940

Mil-Spec Grade:



GRADE: 943



GRADE: 940

TYPICAL APPLICATIONS FOR DRIPSTOP®:

- Hydraulic Line Fittings
- Fluid Connections
- Pneumatic Line Fittings
- Steam Lines Up To 250psig
- Fuel Line Fittings
- Pipe Plugs

SELFSEALER®: Pre-Applied Thread Sealants

TOUGH, NON-HARDENING & REUSABLE!

SelfSealer® are pre-applied, non-hardening thread sealants that provide instant seals on different pipe threads and can be used multiple times without recoating. SelfSealers are water based, non-toxic, safe and can be applied easily without special handling precautions.

SIGNIFICANT FEATURES & ADVANTAGES OF SELFSEALER®:

- The Preapplied Coating Is Tough And Will Resist Shredding And Peeling During Assembly
- Precoated Fittings Can Be Stored For Immediate Delivery And Have A Shelf Life Of Several Years
- Excellent Resistance To Vibrational Loosening And Very Effective On Non-Locking Applications
- Inhibits Corrosion Between Mating Threads
- Safe To Use With Plastics; Will Not Craze Or Attack Plastic Components

SELFSEALER® TYPICAL VALUES

GRADE	COLOR	VISCOSITY @ 77°F, cP	TORQUE STRENGTH (3/8" - 16 Steel Nut & Bolt) Breakloose Torque: (in-lb)	PRESSURE RESISTANCE (1/2" NPT)	TEMPERATURE RANGE, °C (°F)	SPECIFIC GRAVITY
604	White	4,000 - 6,000	220	10,000 psi	-55° to 150° (-65° to 300°)	1.21
615	Burnt Orange	22,000 - 32,000	287	10,000 psi	-55° to 150° (-65° to 300°)	1.26
616	White	15,000 - 25,000	150	10,000 psi	-55° to 150° (-65° to 300°)	1.24
618	Burnt Orange	4,000 - 6,000	235	10,000 psi	-55° to 150° (-65° to 300°)	1.23
622	Gray	4,000 - 10,000	270	10,000 psi	-55° to 150° (-65° to 300°)	1.11

SelfSealer® is sold in the following sizes: 2oz, 850ml, 1 Liter, 2 Liters, 10 Liters, 15 Liters, 152 Liters

GRADES 604, 615, 616 & 618 ARE:



For use in devices handling gasoline, petroleum oils, natural gas (pressure not to exceed 300 psig), butane and propane not exceeding 2 in. pipe size. 29R9. MH14222



Certified to NSF/ANSI/CAN 61



TYPICAL APPLICATIONS FOR SELFSEALER®:

- Plumbing Parts
- Pressure Gauges & Sensors
- Adjustment Screws
- Pipe Fittings
- Overhead Fire Sprinklers
- Compressor Pipes
- Shower Heads
- Brake Fittings
- Cable Connectors

NUTS N' BOLTS®: Anaerobic Threadlockers

LOCKS, SEALS & PREVENTS CORROSION OF THREADED ASSEMBLIES

Nuts N' Bolts® are single-component, 100% active adhesives that cure when air is omitted between the mating surfaces of a nut and bolt. Nuts N' Bolts® replace expensive locking methods such as lock and split washers while improving the reliability of threaded fasteners. Nuts N' Bolts® locks, seals and prevents corrosion of threaded assemblies, cure without cracking or shrinking due to solvent evaporation and are available in low, medium or high strength locking formulas.

SIGNIFICANT FEATURES & ADVANTAGES OF NUTS N' BOLTS®:

- Adhesive Properties Such As Maximum Gap Filling, Cure Time, Shear Strength (Breakaway & Prevailing Torque) And Viscosities Can Be Obtained To Meet Specific Needs
- Replaces Expensive Locking Methods Such As Lock And Split Washers While Improving Threaded Fastener Reliability & Helps Seal Against Leakage Which Can Cause Internal Corrosion
- Increases Profitability (Lower Costs, Less Down Time), Reduces Maintenance (Parts Don't Vibrate Loose), Reduces Inventories (No Need For Special Fasteners) & Superior Reliability (Assembly Integrity Assured).
- Available In 10ml, 50ml, 250ml Or 1 Liter Bottles

Nuts N' Bolts® Grade Details						
Grade	Color	Viscosity cP	Gap Filling (Maximum)	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x24 Grade2 Cure Time 6 Hours	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x24 Grade2 Cure Time 24 Hours	MIL-SPEC
128	Blue	75-85	0.004"	-	> 2.82 (> 25)	N
220	Green	10-25	0.004"	> 75	16.95 - 42.37 (150 - 375)	Y
223	Red	1000-2500	0.01"	> 50	11.3 - 28.25 (100 - 250)	Y
225	Red	100-250	0.005"	> 50	11.3 - 28.25 (100 - 250)	Y
227	Red	10-25	0.004"	> 50	11.3 - 28.25 (100 - 250)	Y
230	Yellow	100-200	0.005"	> 35	7.91 - 19.77 (70 - 175)	Y
232	Blue	10-25	0.004"	> 20	4.52 - 11.3 (40 - 100)	Y
234	Blue	1000-2000	0.01"	> 20	4.52 - 11.3 (40 - 100)	Y
236	Red	100-250	0.005"	> 20	4.52 - 11.3 (40 - 100)	Y
237	Orange	40-80	0.005"	> 50	11.3 - 28.25 (100 - 250)	Y
240	Purple	10-25	0.004"	> 10	2.26 - 5.65 (20 - 50)	Y
246	Brown	100-250	0.005"	> 5	1.13 - 2.82 (10 - 25)	Y
248	Brown	10-25	0.004"	> 5	1.13 - 2.82 (10 - 25)	Y

Nuts N' Bolts® Grade Details							
Grade	Color	Viscosity cP	Breakaway Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Steel Bolts Cure Time 24 Hours	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Steel Bolts Cure Time 24 Hours	Breakaway Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Plated Steel Bolts Cure Time 24 Hours	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Plated Steel Bolts Cure Time 24 Hours	MIL-SPEC
410	Blue	10-30	2.26 - 11.3 (20 - 100)	2.26 - 11.3 (20 - 100)	1.13 - 11.3 (10 - 100)	1.13 - 11.3 (10 - 100)	Y
419	Purple	100-175	5.65 - 11.3 (50 - 100)	1.13 - 5.65 (20 - 50)	1.13 - 11.3 (10 - 100)	1.13 - 4.52 (10 - 40)	N
420	Purple	900-1500	3.39 - 11.3 (30 - 100)	1.13 - 11.3 (10 - 100)	1.13 - 11.3 (10 - 100)	0.6 - 11.3 (5 - 100)	Y
423	Blue	800-1600	7.91 - 22.6 (70 - 200)	2.26 - 22.6 (20 - 200)	1.13 - 22.6 (10 - 200)	0.56 - 22.6 (5 - 200)	Y
425	Red	1200-2400	11.3 - 28.25 (100 - 250)	11.3 - 33.9 (100 - 300)	5.65 - 28.25 (50 - 250)	5.65 - 28.25 (50 - 250)	Y
427	Red	400-600	16.95 - 39.54 (150 - 350)	16.95 - 56.49 (150 - 500)	4.52 - 39.54 (40 - 350)	4.52 - 56.49 (40 - 500)	Y
428	Red	4000-8000	16.95 - 39.54 (150 - 350)	16.95 - 56.49 (150 - 500)	16.95 - 22.6 (150 - 200)	16.95 - 28.25 (150 - 250)	N
429	Red	6000-8000	16.95 - 39.54 (150 - 350)	16.95 - 56.49 (150 - 500)	5.65 - 39.54 (50 - 350)	4.52 - 56.49 (40 - 500)	Y
431	Green	10-30	2.26 - 16.95 (20 - 150)	16.95 - 56.49 (150 - 500)	1.13 - 11.3 (10 - 100)	8.47 - 56.49 (75 - 500)	Y
434	Blue	1500-3000	9.04 - 16.95 (80 - 150)	3.95 - 9.94 (35 - 88)	5.65 - 14.12 (50 - 125)	0.56 - 7.34 (5 - 65)	N
97860	Amber	10-25	2.26 - 16.95 (20 - 150)	16.95 - 33.9 (150 - 300)	1.13 - 22.6 (10 - 200)	8.47 - 56.49 (75 - 500)	Y

Nuts N' Bolts® is sold in the following sizes: 2oz, 20 grams, 10ml, 50ml, 250ml, 500 grams, 1 Liter, 10 Liters



TYPICAL BONDING APPLICATIONS FOR NUTS N' BOLTS®:

- Locking Motor Housing Studs
- Adjustment Screws
- Sealing Joints On A/C Coils, Pipes
- Automotive Suspension Bolts
- Sealing Assemblies Where Leakage Is A Challenge
- Sealing Porous Welds On Storage/Fuel Tanks

THREADPASTE: High Strength Threadlocking Paste

DESIGNED FOR HEAVY DUTY APPLICATIONS; WON'T RUN, DRIP, SPILL OR MIGRATE!

ThreadPaste 432 is a single component, anaerobic threadlocking compound designed for heavy duty applications subject to operating temperatures to 450°F (232°C).

ThreadPaste 432 delivers high strength locking and sealing on screws, nuts, bolts, studs and fittings. Excellent breakloose and prevailing torque values assure maximized resistance to vibration loosening at elevated temperatures.

This unique formula is totally non-migrating and remains where it is applied. Excellent when working overhead or in tight places.

THREADPASTE TYPICAL VALUES						
Grade	Color	Viscosity cP	Temperature Range F°	Breakaway Torque N•m (in-lbs) ASTM D5363 3/8x16 - Grade 5 Steel Bolts Cure Time 24 Hours	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 - Grade 5 Steel Bolts Cure Time 24 Hours	Set Time Steel (minutes)
432	Red	700,000 - 1.2M	-65 to 450°	15.82 - 39.54 (140 - 350)	13.56 - 56.49 (120 - 500)	45-60

ThreadPaste is sold in the following sizes: 6oz, 50ml, 300ml

TYPICAL APPLICATIONS FOR THREADPASTE:

- Heat Treat Furnace Equipment
- Rolling Mill Components, Conveyances
- Annealing Equipment
- Hot Forge, Induction Heating Equipment

SELF LOCKER®: Pre-Applied Threadlocking Compounds

STAYS DRY TO THE TOUCH!

Self Locker® is a pre-applied, micro-encapsulated anaerobic adhesive for threaded fasteners. Self Locker® stays dry to the touch until the shearing action of thread engagement causes the capsules to break, releasing the activator and allowing the adhesive to cure. Self Locker® locks and seals against vibrational loosening and fluid leakage.

SIGNIFICANT FEATURES & ADVANTAGES OF SELF LOCKER®:

- Provides Resistance To Vibrational Loosening, Fluid Leakage, Solvents & Corrosion
- Precoated Parts Can Be Handled & Stored Dry
- Precoated Parts Have A Minimum Shelf Life Of 48 Months With No Special Handling Or Storage Requirements
- Seals Against Leakage
- Easily Visible For Inspection

SELF LOCKER TYPICAL VALUES					
Grade	Color	Fixture Time @ RT w/ Activator 21	Cure Time, Room Temp. (Hours)	Temperature Range, °C (°F)	Breakaway Torque, N•m (in-lbs)
523	Light Yellow	≤ 2 min.	72	-54 to 150 (-65 to 300)	11.3-22.6 (100-200)

Self Locker® is sold in the following sizes: 2oz, 440 Grams, 40 lbs

TYPICAL APPLICATIONS FOR SELF LOCKER®:

- Head Bolts
- Truck Axle Bolts
- Transmission Nuts
- Pipe Plugs & Fittings

POWERSEAL: Non-Hardening, Non-Curing Pipe Sealant

LUBRICATES & SEALS PIPE THREADS & O-RINGS

Powerseal 932 is a single component, non-hardening, non-curing gray paste pipe sealant which lubricates and seals threaded pipe connections and O-rings.

932 is unaffected by water, oil, ammonia, glycerin, steam, all types of gases, exhaust fumes and most hard-to-hold liquids.

SIGNIFICANT FEATURES & ADVANTAGES OF POWERSEAL:

- Withstands Extreme Temperatures & Pressures
- Will Not Shrink, Crack, Crumble Or Harden
- Makes For Easy Assembly, Disassembly & Repairs
- Prevents Galling, Corrosion & Seizing Of Metal Parts
- Seals Instantly To More Than 600psi
- Surface Insensitive & Safe To Use On Plastics & Metal
- Non-Volatile, Non-Toxic & Non-Flammable
- Non-Migrating & Will Not Run Or Drip

POWERSEAL TYPICAL VALUES

Grade	Color	Viscosity @ 25°C, cP	Instant Sealing Ability, PSI	Temperature Range, °C (°F)	Pressure Resistance, PSI
932	Gray Paste	1,300,000 - 3,600,000	Up to 600	-55 to 232 (-65 to 450)	Up to 10,000

Powerseal is sold in the following sizes: 2oz, 8 oz, 250ml, 370 grams, 500 grams, 100 grams



TYPICAL APPLICATIONS FOR POWERSEAL®:

- Seals & Lubricates Plastic & Metal Fittings
- Seals Flanges
- Seals Fittings Of 1" Diameter Or Smaller
- Lubricates O-Rings

CYLINLOCK®: Anaerobic Sealing & Bonding For Cylindrical Components

RETAINING COMPOUNDS FOR CYLINDRICAL ASSEMBLIES

Cylinlock® anaerobic adhesives are designed for metal cylindrical components. Cylinlock® adhesives are used to maximize integrity on new assemblies or repair worn shafts and bearings as well as bond and seal assemblies. Cylinlocks cure in the absence of air between mated cylindrical surfaces and provide up to 5000 psi of shear strength.

SIGNIFICANT FEATURES & ADVANTAGES OF CYLINLOCK®:

- Retains Keys & Splines
- Augments Press Fits; Allows Use Of Slip Fits Instead Of Press &/Or Interference Fits
- Retains Bearings In Place, Preventing Spin Out
- Restores The Fit To Worn Assemblies Or Out Of Tolerance Assemblies
- Prevents Fretting & Corrosion In Assemblies
- Retains Bushings & Sleeves In Housings & On Shafts
- Eliminates Set Screws
- Easily Joins Dissimilar Materials

GRADES 824, 845, 34323 ARE:



TYPICAL APPLICATIONS FOR CYLINLOCK®:

- Pipe Fittings, Threaded Assemblies
- Pins, Collars, Wheels, Gears, Pulleys
- Heat Exchanger Tubes
- Brazed Or Soldered Joints
- Holds Rotors On Electric Motor Shafts
- Bushings, Bearings, Gears & Rotors
- Splines, Keyways, Setscrews
- Engine Cylindrical Liners
- Holds Gears & Sprockets Onto Gearbox Shafts

CYLINLOCK® TYPICAL VALUES

Grade	Color	Viscosity cP	Temperature Resistance Up To:	Compressive Shear Strength Steel Pin & Collar - ASTM D4562 (psi)	Specific Gravity
<u>822</u>	Green	100-125	150°C	≥ 2000	1.07
<u>824</u>	Green	1500-2500	150°C	≥ 2900	1.09
<u>827</u>	Yellow	450-550	N/A	≥ 2000	1.09
<u>842</u>	Green	6000-8000	232°C	≥ 2000	1.13
<u>843</u>	Green	2000-3000	150°C	≥ 2500	1.09
<u>844</u>	Green	400-600	150°C	≥ 2000	1.09
<u>845</u>	Green	400-0550	N/A	≥ 2500	1.09
<u>846</u>	Green	1000-1500	150°C	> 2500	1.10
<u>847</u>	Lt. Amber	380-600	150°C	≥ 2000	1.09
<u>34323</u>	Green	1700-2300	150°C	≥ 2500	1.09
<u>42633</u>	Green	2000-3000	150°C	≥ 2500	1.10
<u>52631</u>	Green	6000-8000	150°C	≥ 2500	1.10
<u>94953</u>	Green	5500-8500	N/A	≥ 1500	1.13

Cylinlock® is sold in the following sizes: 10ml, 50ml, 250ml, 1 Liter, 10 Liters



GASKET REPLACER: Anaerobic Gasket Sealant

SUPERIOR RELIABILITY VS. REGULAR GASKETS!

Gasket Replacers are single component, room temperature curing, gel-like anaerobic gasketing compounds formulated to provide solvent and temperature resistant gaskets. Able to seal damaged surfaces instantly, Gasket Replacers replace costly and insufficient paper or cork gaskets, provide superior metal-to-metal sealing and offer excellent chemical and vibration resistance.

SIGNIFICANT FEATURES & ADVANTAGES OF GASKET REPLACER®:

- Replace Conventional Pre-Cut Hard Or Soft Gaskets
- Single Component, Gel-Like Anaerobic Compound Which Provides Instant Sealing Capabilities
- Can Use On Vertical Surfaces Since It Will Not Drip Or Run
- Once Cured Between Flanges, Gasket Replacers Maintain A Thin & Rigid Seal While Providing Great Solvent & Temperature Resistance
- Excellent Chemical Resistance
- Eliminates The Need For Retorquing
- Hernon Primer 49 or 50 is recommended for all grades of Gasket Replacer

GASKET REPLACER TYPICAL VALUES								
				Cure Speed, Hours		Gap Fill, mm (in.)		
Grade	Color	Viscosity cP	Temperature Range, °C (°F)	Unprimed	Primed	Unprimed	Primed	Specific Gravity
906	Red	400,000 to 800,000	-53 to 149 (-65 to 300)	9 - 24	0.5 - 4	0.254 (0.010)	1.27 (0.050)	1.12
910	Purple	700,000 to 1,700,000	-55 to 150 (-65 to 300)	1 - 12	0.25 - 2	0.254 (0.010)	1.27 (0.050)	1.10
916	Red	400,000 to 1,000,000	-55 to 150 (-65 to 300)	4 - 24	0.5 - 4	0.254 (0.010)	1.27 (0.050)	1.13

Gasket Replacer® is sold in the following sizes: 50ml, 250ml, 300ml, 850ml, 1 Liter, 10 Liters



UV FOG: Ultraviolet Form-On-Gasket

FORMS A SOFT, FLEXIBLE GASKET IN ANY SIZE OR SHAPE

Hernon's UV curable gasketing resin can be used as Form-In-Place gaskets in oil and coolant systems and forms a soft, flexible gasket in any size or shape. Entire gasket and O-ring inventories can now be replaced with one simple bottle. The resin cures within seconds of exposure to UV light and has excellent adhesion to metals, glass, ceramics and plastics.

HERNON WILL APPLY UV FOG TO YOUR SEALS FOR YOU TO TEST!

SIGNIFICANT FEATURES & ADVANTAGES OF UV FOG:

- Replaces Conventional Gaskets & O-Rings
- Excellent Adhesion To Shaft Seals, Oil Seals, Metals, Glass, Ceramics & Plastics
- 100% Solid System Formula; No Solvents
- Cures In Seconds After Exposure To UV Light
- Seals Can Be Stored For Years At Room Temperature
- Water & Chemical Resistant Formulas Available



Scan For
Autosealer® 4028
Video

HERNON® OFFERS AN EXTENSIVE LINE OF PRECISION DISPENSING, UV CURING AND CUSTOMIZED APPLICATION EQUIPMENT!

UV FOG TYPICAL VALUES						
				Shear Strength	Shear Strength	
Grade	Color	Viscosity cP	Hardness After 24 Hours	Glass To Glass (psi)	Glass To Steel (psi)	Temperature Range °F (°C)
702	Amber	700-900	10 - 25 shA	> 100	> 100	-40 to 302 (-40 to 150)
702BL	Blue	700-900	10 - 25 shA	> 100	> 100	-40 to 302 (-40 to 150)
702DB	Dark Blue	700-900	10 - 25 shA	> 100	> 100	-40 to 302 (-40 to 150)
41764A	Amber	700-900	10 - 25 shA	≥ 100	≥ 100	-40 to 302 (-40 to 150)
68221	Blue	700-900	35-45 shA	> 100	> 100	-40 to 302 (-40 to 150)

UV FOG is sold in the following sizes: 50ml, 1 Liter, 15 Liters, 200 Liters

TYPICAL APPLICATIONS FOR UV FOG:

- Oil Seals
- Transmission Seals
- Other Fluid Seal Systems
- Shaft Seals
- Gearbox Covers
- Engine Covers
- Oil Pans

SPECIALTY APPLICATION PRODUCTS:

BRAKE BONDER

FOR BONDING BRAKES, CLUTCHES & OTHER FRICTION MATERIALS TO METAL

Brake Bonder 362 is a black heat curing, nitrile-phenolic solvent-based adhesive. Cured Brake Bonder 362 furnishes excellent resistance to thermal shock, chemicals and water. The cured bond withstands temperatures exceeding 600°F (315°C).

SIGNIFICANT FEATURES & ADVANTAGES OF BRAKE BONDER:

- Single Component
- Excellent Resistance To High Temperatures, Chemicals & Water
- Flexible, Thermal Shock Resistant Bond
- Excellent Adhesion
- High Strength At Room Temperature And Elevated Temperatures

Brake Bonder Typical Values					
Grade	Color	Viscosity @ 25°C, cP	Temp. Resistance	Specific Gravity	Shear Strength @ 73°F (22°C)
362	Black Liquid	4000 - 6000	≥ 600°F (315°C)	0.94	2500-4500psi

Brake Bonder is sold in the following sizes: 2oz, 1 Quart, 1 Gallon

TYPICAL BONDING APPLICATIONS FOR BRAKE BONDER:

- Friction Materials (Brakes, Clutches, etc.) To Metal
- Aluminum, Steel & Other Metals To Themselves & Each Other

WINDSHIELD WELDER®

UV CURING WINDSHIELD REPAIR

Windshield Welder® is a single component, ultra violet curing adhesive that is specially formulated for repairing cracks in vehicle windshields. 772 is ideal for penetrating long cracks where vibration is expected.

SIGNIFICANT FEATURES & ADVANTAGES OF WINDSHIELD WELDER:

- Single Component
- UV Curable
- Excellent Vibration & Moisture Resistance
- Excellent Resistance To Yellowing Over Time

Windshield Welder® Typical Values					
Grade	Color	Curing Time @ 25mW/cm ² (365 nm)	Viscosity @ 25°C, cP	Shear Strength (Glass Blocks)	Shear Strength (Glass To Brass)
772	Clear Liquid	20-30 Seconds	15 - 25	≥ 600 psi	≥ 250 psi

Windshield Welder is sold in the following sizes: 50ml, 1 Liter

SPECIALTY APPLICATION PRODUCTS:

VOICE COIL BONDER

VIBRATION & HEAT RESISTANT COATING

Voice Coil Bonder® 360 is a single component, black, heat cure adhesive formulated for bonding and coating voice coil components and high temperature laminations. Cured Voice Coil Bonder® 360 can withstand temperatures exceeding 600°F (316°C) for today's high-powered loudspeakers.

SIGNIFICANT FEATURES & ADVANTAGES OF VOICE COIL BONDER:

- Provides A Flexible, Thermal Shock Resistant Bond
- Excellent Resistance To High Temperatures, Chemicals And Water
- Excellent Adhesion
- High Strength At Room And Elevated Temperatures



Voice Coil Bonder® 360 Typical Values					
Grade	Color	Viscosity @ 25°C, cP	Specific Gravity	Shear Strength (73°F - 22°C)	Shear Strength (400°F - 204°C)
360	Black Liquid	4000 - 6000	0.94	2500 - 4500	500 - 1500

Voice Coil Bonder is sold in the following sizes: 1oz, 2oz, 1 Quart, 1 Gallon, 5 Gallons, 172kg

TYPICAL BONDING APPLICATIONS FOR VOICE COIL BONDER® 360:

- Coating Aluminum, Copper-Clad & Copper Wire Coils
- Coating Kapton® H, HN, HPPST, NTB, Fiberglass Composite & Nomex®

WATERPROOFER

CURES TO A TOUGH, FLEXIBLE SEAL WITH OUTSTANDING ENVIRONMENTAL & TEMPERATURE RESISTANCE

Waterproofer 25 is a high performance synthetic rubber based protective coating for adhesive bond lines. It provides a tack-free touch in 5 minutes and cures to a tough, flexible seal with superb environmental, chemical and temperature resistance. Ideal for dressing cyanoacrylate bond lines on O-rings and gaskets.



Waterproofer 25 Typical Values						
Grade	Color	Viscosity cP	Base	Temperature Range C° (F°)	Drying Time	Specific Gravity @ 25°C
25	Black	500-700	Synthetic Rubber	-40 to 150 (-40 to 302)	≤ 5 Minutes	1.09

Waterproofer is sold in the following sizes: 1.75oz, 1 Liter

SPECIALTY APPLICATION PRODUCTS:

WELD SEALANT: Porosity Penetrating Adhesive/Sealant

SIMPLY BRUSH ON TO APPLY!

Weld Sealant 433 is a single component anaerobic penetrating adhesive and sealant. Utilizing capillary action, 433 penetrates and seals porosities and cracks. Once confined away from air, 433 cures to a hard thermoset plastic while sealant remaining on the surface will not cure and can be easily wiped clear.

SIGNIFICANT FEATURES & ADVANTAGES OF WELD SEALANT:

- Seals Cracks As Large As 0.127mm
- Provides Fluid & Pressure Retention
- Welds, Castings & Powder Metal Parts Can Be Sealed To Their Rupture Pressure
- Helps Eliminate Corrosion & Contamination
- Temperature Range: -65 to 400°F
- Also Effective As Thread Sealant

Weld Sealant 433 Typical Values						
Grade	Color	Viscosity cP	Breakaway Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Steel Bolts Cure Time 24 Hours	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Steel Bolts Cure Time 24 Hours	Breakaway Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Plated Steel Bolts Cure Time 24 Hours	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Plated Steel Bolts Cure Time 24 Hours
433	Amber	10-25	2.26 - 16.95 (20 - 150)	16.95 - 56.49 (150 - 500)	1.13 - 11.3 (10 - 100)	8.47 - 56.49 (75 - 500)

Weld Sealant is sold in the following sizes: 50ml, 250ml, 1 Liter, 10 Liters

METAL CEMENT

FOR QUICK REPAIRS OF WORN MACHINERY PARTS

Metal Cement 850 is a single component, high strength, high viscosity, anaerobic curing, silver gel that is designed for quick repairs of worn cylindrical parts. Once confined between parts, it develops a high strength bond with excellent chemical and temperature resistance while also providing exceptional gap filling capabilities.

Use Metal Cement 850 in new assemblies to fill gaps between parts to prevent wear, corrosion and backlash.

SIGNIFICANT FEATURES & ADVANTAGES OF METAL CEMENT:

- Repairs Worn Metal Parts (ie: Bushings, Shafts, Housings)
- Repairs Worn Key Ways & Couplings
- Assemblies Bonded With Metal Cement Often Have Double The Strength Of Press Fitted Parts
- Excellent Chemical & Temperature Resistance
- Refits Loose Screws

Metal Cement 850 Typical Values				
Grade	Color	Viscosity @ 25°C, cP	Temperature Range F°	Shear Strength N/mm ² (psi) 24 hours @ 22°C
850	Dark Silver Gel	1,000,000 - 1,300,000	-65 to 300	≥ 2000

SPECIALTY APPLICATION PRODUCTS:

RUST ELIMINATOR

CHEMICALLY TRANSFORMS RUST INTO AN INERT COATING AND PREVENTS NEW RUST FROM FORMING

Rust Eliminator 32 is a revolutionary new product for eliminating old rust and preventing new rust on steel parts. Rust Eliminator 32 chemically changes rust to a tough, protective coating and primes the surface area for painting.

A SINGLE TREATMENT LASTS FOR YEARS!

SIGNIFICANT FEATURES & ADVANTAGES OF RUST ELIMINATOR:

- Easy To Use; Minimal Surface Preparation
- Replaces Primers For Most Industrial Finish Paints
- Works On Damp, Rusty Metals
- Non-Flammable; Low Toxicity

Rust Eliminator 32 Typical Values				
Grade	Color	Viscosity @ 25°C, cP	Resin	Specific Gravity
<u>32</u>	White to Black	225 - 500	Acrylic	1.23

Rust Eliminator is sold in the following sizes: 2oz, 1 Quart, 1 Gallon

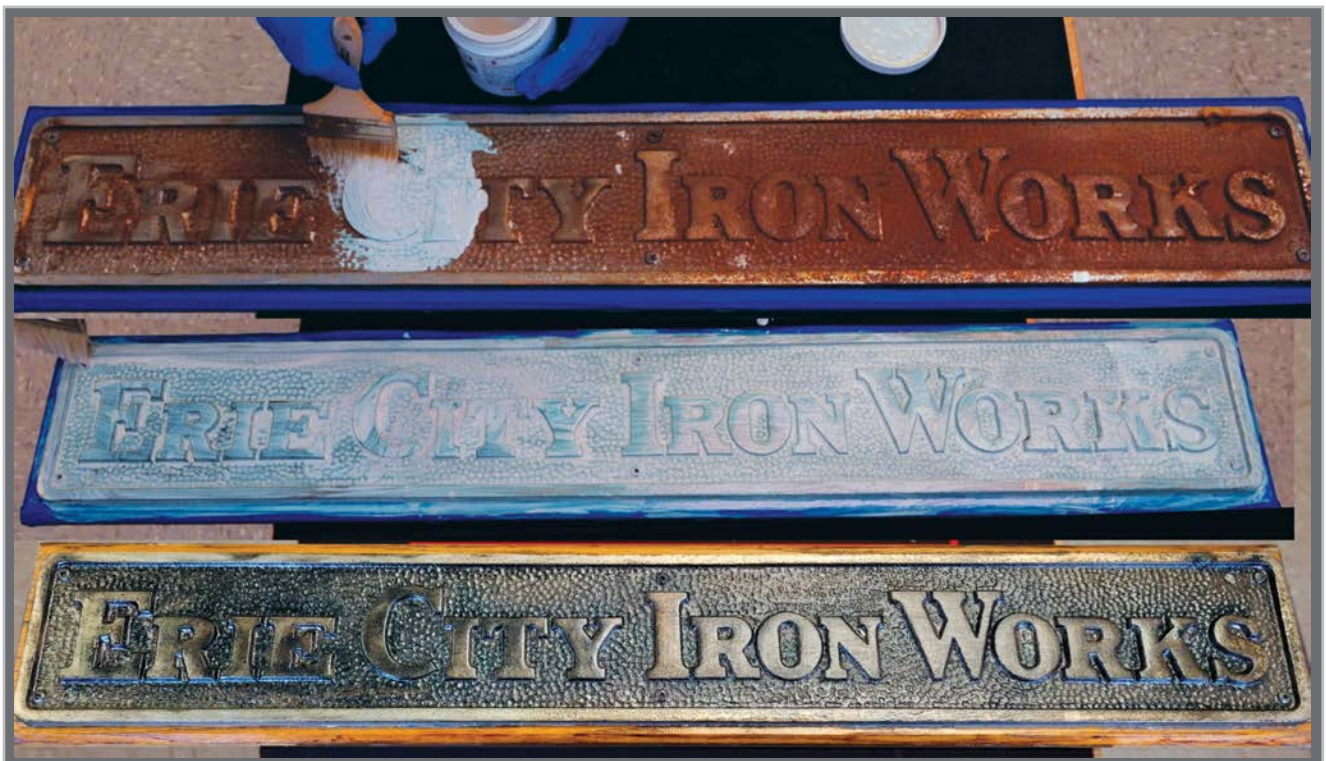
TYPICAL APPLICATIONS FOR RUST ELIMINATOR® 32:

- Duct Work, Overhead Cranes/Booms
- Power Plants, Heating & Cooling Plants
- Highway Sign Posts
- Truck Trailers
- Pipes, Valves, Storage Tanks
- Guard Rails, Fences

1. Brush on rust

2. Requires occasional second coat

3. After 24 hours



H.P.S.: HERNON POROSITY SEALANTS

THE SOLUTION TO LEAK-PROOFING PARTS!

Hernon® offers an entire line of impregnation resins called **HPS (Hernon® Porosity Sealants)**. HPS impregnation resins seal microporosities in a wide variety of materials and offer improved machinability and surface quality for painting and plating. The hardened resins exhibit superior chemical resistance and elevated temperature stability.

CONTACT HERNON TO DISCUSS WHICH HPS GRADE WOULD BE IDEAL FOR YOUR UNIQUE APPLICATION!

SIGNIFICANT FEATURES & ADVANTAGES OF H.P.S.:

- Improves Machinability & Surface Quality For Painting & Plating On Powder Metal Parts
- HPS Promotes Consistent Tool Contact On Filled Surfaces. Less Shock Translates Into Greater Tool Life
- Superior Stability & Predictability During The Impregnation Process
- Full & Complete Sealing Without Limitations Is The Norm

TYPICAL APPLICATIONS FOR HPS IMPREGNATION RESINS:

- | | | |
|----------------------------|-------------------------------|--------------------------|
| • Electrical Components | • Pneumatic Tool Castings | • Automotive Carburetors |
| • Engine Blocks | • Water & Fuel Pumps | • Plastic Molds |
| • Valves, Manifolds | • Railway & Truck Brake Parts | • Hydraulic Pumps |
| • Steering Gear Components | • Compressor Parts | • Powder Metal Parts |



Engine blocks are commonly impregnated with HPS to ensure durability

SPECIALTY APPLICATION PRODUCTS:



AMMUNITION SEALANTS

For almost half a century, Heron has developed high performance sealants for all sizes and types of ammunition - ranging from small caliber, rifle rounds, blanks, frangible ammunition, shot shells and grenades to large mortar rounds - making us a world-renowned manufacturer of ammunition sealant technology.

Heron has revolutionized the ammunition sealing process moving from the old, messy, time consuming batch process using asphalt to a much cleaner and more efficient continuous process where high performance sealants are cured in a matter of seconds via powerful UV lights leaving the rounds ready for immediate use or packaging. In fact, our sealants are already specified on government drawings and approved for use since 1994.

In addition to many standard ammunition sealant formulas and types of application equipment, Heron can also deliver customized sealants and dispensing/application solutions to meet any unique production need. From the largest ammunition manufacturers in the world to hobbyists and home loaders, rounds sealed by Heron have extreme water, environmental, solvent and heat resistance to ensure peace of mind and reliability.

SIGNIFICANT FEATURES & ADVANTAGES OF HERNON AMMUNITION SEALANTS:

- Single Component, U.V. Anaerobic Sealants For Sealing Primers And Bullets
- U.V. Curable In 3-7 Seconds
- Excellent Water, Solvent, Environmental And Heat Resistance
- Variable Bullet Pull Strengths Available
- Available In Multiple Colors

Scan For The
World Leader In
Ammunition Sealant
Technology Video



SIGNIFICANT FEATURES & ADVANTAGES OF HERNON APPLICATION EQUIPMENT:

- Heron® Offers An Extensive Line Of Sureshot® Valves Capable Of Dispensing Virtually Any Type Of Liquid With Extreme Precision And Repeatability In High Production Environments
- Heron® Has Designed A Full Lineup Of Ultracure® And Ultraspot® UV LED Curing Components Depending On The Wavelength, Intensity And Coverage Needed Per Any Given Application

Heron Has Developed A Revolutionary, UV Curable & Patented New Bullet Tip ID Coating & Application Process



SPECIALTY CLEANING PRODUCTS:

CYANOACRYLATE REMOVER 14

Cyanoacrylate Remover 14 is designed to dissolve cured cyanoacrylate based adhesives from parts, clothing, equipment and various surfaces. **CA Remover 14** will allow the removal of cyanoacrylate adhesives in several minutes to several hours depending on the amount of adhesive to be removed. This product can also be used for the reworking of bonded substrates.

CA Remover 14 Typical Values				
Grade	Color	Viscosity cP	Specific Gravity	Solvent
14	Clear	1-2	1.05	Nitroethane Blend

CA Remover 14 is sold in the following sizes: 1 Gallon, 55 Gallons

CHEMICAL STRIPPER 30

Chemical Stripper 30 is a chemical liquid that works to remove pre-cut conventional gasket cements, formed-in-place chemical gaskets, carbon deposits, dried oil and grease or paint on any type of metal in minutes. (Also suitable for use on wood.) **Chemical Stripper 30** is packaged in a convenient spray can so the liquid can penetrate and clean intricate shapes but it will not drip or run - even on vertical surfaces. This reduces excessive scraping and potential damage to surfaces.

CHEMICAL STRIPPER 30 IS IDEAL FOR REMOVING:

- Baked-on Gaskets And Gasket Cements From Any Metal Surface
- Gaskets From Aluminum Components Without Scraping Or Damaging Machine Surfaces
- High Temperature Engine Paints Prior To Repainting
- Built Up Carbon Deposits From Interior Engine/Combustion Surfaces
- Baked-on Grease And Oil Deposits
- Paint And Varnish From Wood Surfaces

Chemical Stripper 30 is sold in the following size: 18oz aerosol can



CLEANER 62

Cleaner 62 is a non-aqueous, non-CFC industrial solvent which removes oil and grease. **Cleaner 62** is engineered to prepare contaminated surfaces to enhance the adhesion of adhesives and sealants. Recommended for final cleaning prior to assembling parts with HERNON adhesives and sealants. Compatible with metals, many plastics and elastomers.

Cleaner 62 Typical Values					
Grade	Color	Specific Gravity	Drying Time - No Wipe	Drying Time - Post Wipe w/ Dry Cloth	Chemical Type
62	Clear	0.78	≤ 5 minutes	1-2 minutes	Hydrocarbon Blend

34 Cleaner 62 is sold in the following sizes: 1 oz, 1.75oz, 4oz, 16oz, 1 Quart, 1 Gallon

SUPPORT PRODUCTS:

ACCELERATORS, ACTIVATORS, PRIMERS

PRODUCTS FORMULATED TO ACCELERATE CURING TIMES &/OR IMPROVE ADHESION

Accelerators & Activators						
Grade	Color	Viscosity, cP	Base	Solvent	Drying Time	On-Part Life
15	Yellow- Amber	80-200	Amine	Non-Solvent	None	2 hours
45	Red	10-30	Monomer	Non-Solvent	None	2 hours
47	Light Amber	10-30	Monomer	Non-Solvent	None	2 hours
48	Light Amber	Low	Amine	Isopropanol	≤ 30 seconds	≤ 1 min.
51	White	20-100	Monomer	Non-Solvent	≤ 60 seconds	2 hours
56	Light Yellow	Low	Amine	Acetone	≤ 3 min.	2 hours
56C	Amber	Low	Amine	Acetone	3 min	2 hours
58	Clear	Low	Amine	Heptane	≤ 30 seconds	24 hours
58C	Clear	Low	Amine	Heptane	30 seconds	30 min.
63	Light Yellow	Low	Amine	Heptane / Isopropanol	None	2 hours
63C	Light Yellow	Low	Amine	Heptane / Isopropanol	≤ 1 min.	2 hours

Promoters & Primers				
Grade	Color	Viscosity, cP	Base	On-Part Life
42	Clear	-	-	1 hour
46	Blue-Green	< 15	Monomer	≤ 1 hour
49	Yellow	Low	Amine	≤ 7 days
49C	Lt Yellow	Low	Amine	2-4 days
50	Green	Low	Amine	30 days
50C	Green	Low	Amine	30 days
57	Light Blue	< 15	Monomer	≤ 1 hour
37824	Blue	5-10	Monomer	≤ 1 hour

Accelerators, Activators, Primers and Promoters are sold in the following sizes: 1 oz, 1.75oz, 4 oz, 1 Quart, 1 Liter, 1 Gallon, 5 Gallons



MISCELLANEOUS INFORMATION:

MILITARY SPECIFICATIONS

MIL-SPEC COMPLIANT PRODUCTS

Many Heron® products meet or exceed the standardized objectives set by the U.S. Department of Defense. These objectives are known as military standard, mil specs, or “MIL-STD.” Please consult Customer Service for more information about test reports and certificates of conformance needs.

HERNON GRADE	ASTM D5363 GROUPS	MIL-SPEC & GRADE	NSN NUMBER
Primer 49 - Yellow	D5363 Grade T	MIL-S-22473E Grade GD T	8030001818372
Primer 50 - Green	D5363 Grade N	MIL-S-22473E Grade N	
Accelerator 48	CID A-A-3097 Type I and II	MIL-A-46050C TY IIA and IIIA	
Accelerator 52	CID A-A-3097 Type I and II	MIL-A-46050C TY IIA and IIIA	
Accelerator 58	CID A-A-3097 Type I and II		
Instantbond 109	CID A-A-3097 Type II Class 1	MIL-A-46050C TY II CL 1	
Instantbond 110	CID A-A-3097 Type I Class 2	MIL-A-46050C TY I CL 2	8040012031443
Instantbond 112	CID A-A-3097 Type I Class 1	MIL-A-46050C TY I CL 1	8040010250237
Instantbond 113	CID A-A-3097 Type II Class 1	MIL-A-46050C TY II CL 1	
Instantbond 117	CID A-A-3097 Type II Class 3	MIL-A-46050C TY II CL 3	
Instantbond 119	CID A-A-3097 Type II Class 1	MIL-A-46050C TY II CL 1	
Instantbond 121	CID A-A-3097 Type II Class 3	MIL-A-46050C TY II CL 3	
Instantbond 123	CID A-A-3097 Type II Class 2	MIL-A-46050C TY II CL 2	8040008263535
Instantbond 127	CID A-A-3097 Type II Class 5	MIL-A-46050C TY II CL 5	8040013630157
Quantum 124	CID A-A-3097 Type II Class 1	MIL-A-46050C TY II CL 1	
Quantum 135	CID A-A-3097 Type II Class 2	MIL-A-46050C TY II CL 2	
Quantum 138	CID A-A-3097 Type II Class 5	MIL-A-46050C TY II CL 5	
Nuts N Bolts 220	ASTM D5363 AN0111	MIL-S-22473E Grade AA	8030010139305
Nuts N Bolts 223	ASTM D5363 AN0124; CID-A-A 59720 Grade AVV	MIL-S-22473E Grade AVV	8030004666723
Nuts N Bolts 225	ASTM D5363 AN0123; CID A-A 59720R2GR-AV	MIL-S-22473E Grade AV	8030010139306
Nuts N Bolts 227	ASTM D5363 AN0121	MIL-S-22473E Grade A	8030000676744
Nuts N Bolts 230	ASTM D5363 AN0131	MIL-S-22473E Grade B	
Nuts N Bolts 232	ASTM D5363 AN0141	MIL-S-22473E Grade C	8030000812333
Nuts N Bolts 234	ASTM D5363 AN0143; SAE J2270 22473E AM8	MIL-S-22473E Grade CVV	8030010249584

MILITARY SPECIFICATIONS (cont'd)

HERNON GRADE	ASTM D5363 GROUPS	MIL-SPEC & GRADE	NSN NUMBER
Nuts N Bolts 236	ASTM D5363 AN0142	MIL-S-22473E Grade CV	
Nuts N Bolts 237	ASTM D5363 AN0122	MIL-S-22473E Grade D	8030010445527
Nuts N Bolts 240	ASTM D5363 AN0151	MIL-S-22473E Grade E	8030000812328
Nuts N Bolts 246	ASTM D5363 AN0162	MIL-S-22473E Grade HV	8030000676746
Nuts N Bolts 248	ASTM D5363 AN0161	MIL-S-22473E Grade H	8030009522205
Nuts N Bolts 410	ASTM D5363 AN0241		8030011815549
Nuts N Bolts 420	ASTM D5363 AN0311; SAE J2270 LMA-ML082	MIL-S-46163A TY II Grade M	8030010556126
Nuts N Bolts 423	ASTM D5363 AN0321; SAE J2270 P5026-13RU	MIL-S-46163A TY II Grade N	8030010145869 8030011045392
Nuts N Bolts 425	ASTM D5363 AN0331	MIL-S-46163A TY II Grade O	8030011423131
Nuts N Bolts 427	ASTM D5363 AN0221; SAE J2270 P5026-15	MIL-S-46163A TY I Grade K	8030011586070
Nuts N Bolts 428	CID A-A-59720 GR HT SAE J2270		
Nuts N Bolts 429	ASTM D5363-16 AN0211; SAE J2270	MIL-S-46163A TY I Grade L	8030010637510
Nuts N Bolts 431	ASTM D5363 AN0261	MIL-S-46163A TY III Grade R	
Dripstop 943	ASTM D5363 AN0171	MIL-R-46082B TYPE III	8030001179667
Cylinlock 822	ASTM D5363 AN0411	MIL-R-46082B TYPE I	8030001806222
Cylinlock 824	ASTM D5363 AN0421	MIL-R-46082B TYPE III	8030006149206
HPS 990		MIL-I-17563C Class 1 and 3	
HPS 991		MIL-I-17563C Class 1 and 3	
Silastomer 333	ANSI/NSF/CAN 61	MIL-A-46106B Type I	
Silastomer 334	ANSI/NSF/CAN 61	MIL-A-46106B Type I	
Silastomer 336	ANSI/NSF/CAN 61	MIL-A-46106B Type I	
Silastomer 340		MIL-A-46106B Type I	
Silastomer 343		MIL-A-46106B Type I	

APPLICATION EQUIPMENT

In addition to manufacturing the dozens of types of adhesives and sealants found in this catalog, Heron also makes an extensive lineup of precision dispensing valves, powerful UV curing lights, standard/turnkey application systems as well custom application equipment to meet virtually any unique production requirement.

SURESHOT® PRECISION DISPENSING VALVES

Sureshot dispensing valves are designed to precisely dispense any liquid. Sureshot valves feature snuff-back technology to prevent stringing of material and utilize a normally closed design to prevent material from being dispensed if air pressure is inconsistent. Heron also offers positive displacement and diaphragm valves.



ROTOCOATER® DISPENSER

The Rotocoater is a non-contact dispensing unit designed to apply sealant or adhesive to a recessed area. The customizable Rotocoater can be used as part of a stock dispensing system for single bore applications or as part of a multi-tasking dispensing solution to apply material to multiple bores simultaneously.



DISPENSING EQUIPMENT

Heron offers a complete line of programmable Autobonder® and Autosealer® machines designed to dispense both liquids and/or paste-like materials. Heron dispensing systems range from standard benchtop units, semi-automatic and low production volume dispensers to extremely high-output, fully automated stand alone application systems designed for integration into turnkey assembly production lines.



Heron's Autosealer 2650



Heron's A100-D



Scan For The A100D Video

UV CURING EQUIPMENT

In addition to manufacturing the dozens of types of adhesives and sealants found in this catalog, Heron also makes an extensive lineup of precision dispensing valves, powerful UV curing lights, standard/turnkey application systems as well custom application equipment to meet virtually any unique production requirement.

ULTRACURE® UV LED CURING LIGHTS

Heron manufactures several versions of **Ultracure**® UV LED curing lights that can quickly and effectively cure UV curable adhesives and sealants in a matter of seconds. **Ultracure** technology is “cool” and safe and the different models include ones that meet IP65 standards (water and dust proof), some are liquid cooled and these lights can be used individually or in large arrays for bigger production needs or systems.



BENCHTOP UV CURING SYSTEMS

In addition to individual and/or configurable UV curing lights, Heron also manufactures benchtop UV curing machines that utilize a conveyor to transport parts through a UV light bath to fully cure UV curable adhesives and sealants. These machines come with user friendly, color touchscreen HMI controls, offer variable light intensity control and are made of heavy duty aluminum construction.



Heron's Ultracure 1100

TURNKEY AND/OR CUSTOM APPLICATION SYSTEMS

For larger and high volume production needs, Heron offers complete adhesive/sealant application systems that precisely dispense and UV cure the desired material onto parts. These systems come with a variety of options including bulk feeders, vision inspection which detects and removes any imperfect parts and more. When unique application needs arise, Heron's in-house engineers have expertise in designing custom machines to meet the needs of even the most demanding customers.



Heron's Autosealer 4023

