

HERNON[®]
Formulating Solutions

ADHESIVES *&* SEALANTS CATALOG

2021

Hernon Manufacturing, Inc.® produces high performance adhesives, sealants, UV LED curing lights and precision dispensing systems. Hernon maintains a library of over 5000 unique adhesive and sealant formulas in addition to creating customized formulas to address specific manufacturing challenges. A full in-house chemical laboratory ensures quick turn around on testing and development projects and an on-site machine division allows Hernon® to build, service and integrate unique dispensing systems to even the most exacting specifications. This horizontal integration helps Hernon® to provide customers with a Total Solution for any unique application.

Hernon Manufacturing is headquartered in Sanford, FL. and maintains an ever-expanding network of over 100 distributor and partner locations around the globe. Already shipping to over 60 nations, Hernon® can provide adhesive solutions to manufacturing operations anywhere in the world.

Hernon Manufacturing's objective is to continuously improve our products and services to meet our customer's needs. We are committed to the efficient delivery of quality products worldwide.

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STRUCTURAL ADHESIVES

FUSIONBOND®: TWO COMPONENT METHACRYLATES

STRUCTURAL ADHESIVE BONDS STRONGER THAN STEEL!

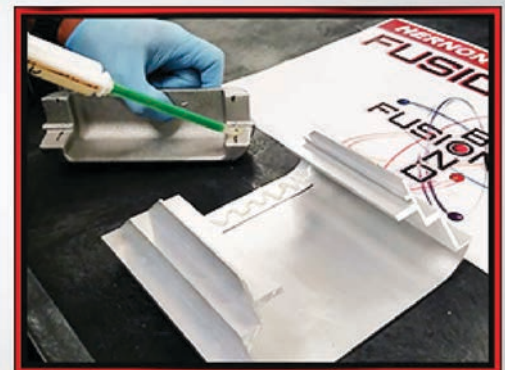
As a world leader in structural adhesive development, Herson's Fusionbond® is a family of two-component, modified methacrylate structural adhesives designed for bonding a variety of substrates with minimal surface preparation. Fusionbond® offers the highest impact resistant bonds available today.



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



BONDABLE SUBSTRATES FOR FUSIONBOND®:

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

FUSIONBOND®

TWO PART METHACRYLATES: FUSIONBOND®

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)	CLICK FOR TDS
370	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	✓
371	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	✓
372	1:1	Blue (A) Pale Yellow (B)	30,000 - 50,000	60-70	STEEL: 2500-5000 ALUMINUM: 2500-5000	STEEL ≥ 30 ALUMINUM ≥ 20	15-20	10-15	✓
373	10:1	White (A) Blue (B)	30,000 - 60,000 (A) 30,000 - 60,000 (B)	50-60	STEEL: 2000-3000 ALUMINUM: 2000-3000	STEEL ≥ 30 ALUMINUM ≥ 20	15-30	10-12	✓
374	One Part (Cure w Act56 or 15)	Clear	35,000 - 50,000	-	STEEL: 3000-5000 ALUMINUM: 2500-4500	STEEL ≥ 30	4-6	4-6	✓
375	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	✓
376	1:1	Clear (A) Pale Yellow (B)	30,000 - 50,000	60-70	STEEL: 3000-5000 ALUMINUM: 2000-4000	STEEL ≥ 30 ALUMINUM ≥ 20	15-20	10-15	✓
377	1:1	Blue (A) White (B)	150,000 - 250,000	70-80	STEEL: 3000-7000 ALUMINUM: 2000-3000	STEEL ≥ 30	10-15	20-25	✓
381	30:1	Clear (A) Light Pink (B)	1,000 - 3,000 (A) LOW (B)	70-80	ABS BLOCKS > 1000 PVC BLOCKS > 500 STEEL > 800	-	20-30	45-60	✓
37784	1:1	White (A) Blue (B)	4,500 - 9,000	70-80	STEEL: 3000-5000	STEEL ≥ 12	5-10	<30	✓



HERNON® SUGGESTED DISPENSING EQUIPMENT

AUTOBONDER® 2040

MANUAL & PNEUMATIC GUNS

EPOXIES

TUFFBOND®

SINGLE & TWO PART EPOXIES

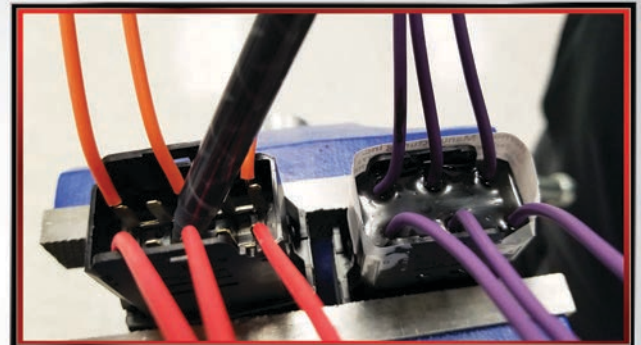
Heron's Tuffbond® epoxies give superior strength, moisture, chemical and heat resistance. Curing mechanisms include two-component chemically reactive curing and single-component heat curing. By changing the ratio of resin and hardener, Tuffbond® epoxies can be adjusted to cure to tough yet flexible or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



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

SIGNIFICANT FEATURES AND KEY 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



**POTTING ELECTRONIC COMPONENTS WITH
BLACK TUFFBOND® 304**



**TUFFBOND® 321
OFFERS CLEAR &
FLEXIBLE POTTING:**

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

TUFFBOND®

TWO-PART TUFFBOND® TYPICAL VALUES

GRADE	COLOR (MIXED)	VISCOSITY cP (MIXED)	WORKING LIFE (100g), MINUTES	HARDNESS, SHORE D	SHEAR STRENGTH, N/mm ² (psi)	CLICK FOR TDS
302	Off White	50000-60000	≤ 5	85-90	STEEL 1500-2500 ALUMINUM 1000-2000	✓
304	Black	11000-18000	4-7	80-90	STEEL 2500-3500	✓
305	Yellow	11000-17000	4-7	85-90	STEEL 2000-3000 ALUMINUM 1000-2000	✓
308	White	96000-128000	≥ 10 min @ 150°C	85-90	STEEL 4500-5500	✓
310	Gray	130000-240000	≤ 3 Hours	80-90	STEEL 1500-2500	✓
313	Light Yellow	18000-26000	40-60	70-80	STEEL 2800-4000	✓
315	Light Yellow	8500-11500	≤ 15	80-85	STEEL 2000-3000	✓
316	Amber	11000-20000	2-3 Hours	70-75	STEEL 2500-3500	✓
317	Amber	10000-20000	80-100	60-70	STEEL 3000-4000	✓
318	Amber	8500-11500	≤ 15	70 - 85	STEEL 1500-2500	✓
321	Light Yellow	10000-16000	3-4 Hours	25-35 (Shore A)	ALUMINUM 100-500 STEEL 100-500	✓
322	Pale Yellow	A: 10000-16000 B: 12000-18000	3-4 Hours	25-45 (Shore A)	STEEL 300-1000	✓
394	Amber	44000-56000	≥ 1.5 min @ 150°C	80-85	STEEL 2000-3500	✓
395	Amber	300000-360000	≥ 1.5 min @ 150°C	85-90	STEEL 2300-3300	✓
47771	Amber	60000-75000	40-60	70-80	STEEL 3500-4500	✓



HERNON® SUGGESTED DISPENSING EQUIPMENT

HERNON® Offers A Full Line Of Semi, Fully Automated & Custom Dispensing Equipment To Meet Any Production Need

ELASTOMERIC BONDING

SUPERTACKER®

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
- Temperature Range: -40° to 150°C (-40° to 302°F)



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

SUPERTACKER®

SUPERTACKER® TYPICAL VALUES

Grade	Color	Viscosity, cP	Tensile Strength (psi) ASTM D412	Dry Time (Minutes)	Click For TDS
351	Clear	40,000 - 60,000	3500	≤ 30	☑
352	Black	44,000 - 56,000	3500	≤ 30	☑
353	Clear	11,000 - 16,000	3500	≤ 20	☑
357	Clear	90,000 - 150,000	3500	≤ 30	☑
358	Black	150,000 - 200,000	3500	≤ 30	☑
67662	Red	50 - 100	≤ 2000	1 - 3 (on brass)	☑

HERNON® SUGGESTED DISPENSING EQUIPMENT

AUTOBONDERS: 2101, 2111

AUTOSEALERS: 2600, 2600-850

RAMBO

MANUAL & PNEUMATIC GUNS



ELASTOMERIC BONDING

SILASTOMER®

SILICONE RUBBER ADHESIVES & SEALANTS

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.



EXCELLENT FOR WATERPROOFING!

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
- Multiple Formulas Available To Meet Varying Needs (ie: High Temperature Resistance, Low Outgassing, etc.)



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

SILASTOMER®

SILASTOMER® TYPICAL VALUES

Grade	Color	Viscosity	Temperature Range, °F (°C)	Tack Free Time: (1/4" Bead) Min.	Hardness Shore A	Base	Elongation %	Click For TDS
333	Clear	Thixotropic Paste	-70 to 400 (-56 to 204)	≤ 30	18 - 30	Clear Acetoxy Silicone	≥ 350	✓
334	White	Thixotropic Paste	-70 to 400 (-56 to 204)	≤ 30	18 - 30	White Acetoxy Silicone	≥ 350	✓
336	Black	Thixotropic Paste	-74 to 400 (-56 to 204)	≤ 30	18 - 30	Black Acetoxy Silicone	≥ 350	✓
340	Red	Thixotropic Paste	-50 to 500 (-46 to 260)	≤ 30	18 - 30	Acetoxy Polysiloxane	≥ 350	✓
343	Black	Thixotropic Paste	-70 to 400 (-56 to 204)	≤ 30	18 - 30	Oxime Silicone	≥ 350	✓

HERNON® SUGGESTED DISPENSING EQUIPMENT

HERNON® Offers A Full Line Of Semi, Fully Automated & Custom Dispensing Equipment To Meet Any Production Need



INSTANT BONDING

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



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

INSTANTBOND®

INSTANTBOND® TYPICAL VALUES

GRADE	COLOR	VISCOSITY cP	FIXTURE TIME (SECONDS)	SHEAR STRENGTH psi (Cured 24 hours @ 22°C)	TEMPERATURE RANGE, °C (°F)	CYANOACRYLATE TYPE	CLICK FOR TDS
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	✓
115	Clear	680-720	POLYCARBONATE ≤ 45	STEEL ≥ 2200	-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	✓
120	Clear	650-750	STEEL (W/ ACCEL 72) ≤180 POLYCARBONATE ≤ 45	STEEL ≥ 2000	-55 to 82 (-67 to 180)	ETHYL	✓
121	Clear	2000-2800	POLYCARBONATE ≤ 45	STEEL ≥ 2000	-55 to 120 (-67 to 248)	ETHYL	✓
122	Colorless Gel	18000-42000	POLYCARBONATE ≤ 45	STEEL 2600-3800 ALUMINUM 1600-2800 POLYCARBONATE 725-2900	-55 to 82 (-67 to 180)	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	✓



**HERNON® SUGGESTED
DISPENSING EQUIPMENT**

AUTOBONDER®: 2101

AUTOBONDER®: 2111

INSTANT BONDING

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[®] CYANOACRYLATES

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

QUANTUM®

CYANOACRYLATE ADHESIVES: QUANTUM®

GRADE	COLOR	VISCOSITY cP	FIXTURE TIME (SECONDS)	LAP SHEAR STRENGTH	TEMPERATURE RANGE, °C (°F)	CLICK FOR TDS
124	Clear	20-35	PHENOLIC ≤ 40	STEEL (GRITBLASTED) ≥ 2000	-55 to 120 (-65 to 248)	✓
132	Clear	850-1800	STEEL (DEGREASED) 35-45	STEEL (GRITBLASTED) ≥ 2000	-55 to 82 (-65 to 180)	✓
133	Black	1600-3000	STEEL (w/ Accel 72) 35-45 POLYCARBONATE (w/ Accel 72) 10-20	STEEL (GRITBLASTED) ≥ 2500	-55 to 120 (-65 to 248)	✓
134	Clear	550-620	STEEL (w/ Accel 72) ≤ 120	STEEL (GRITBLASTED) ≥ 2000	-55 to 82 (-65 to 180)	✓
135	Clear	90-120	STEEL ≤ 120 PHENOLIC ≤ 10	STEEL (GRITBLASTED) ≥ 2000	-55 to 82 (-65 to 180)	✓
136	Pale Yellow	50-120	STEEL ≤ 360 ALUMINUM 60-90	STEEL (GRITBLASTED) ≥ 2000	-55 to 82 (-65 to 180)	✓
138	Clear	THIXOTROPIC GEL	PHENOLIC ≤ 50	STEEL (GRITBLASTED) ≥ 2000	-55 to 82 (-65 to 180)	✓
149	Clear	2000-2800	STEEL (w/ Accel 72) ≤ 180 POLYCARBONATE ≤ 30 ABS ≤ 30	STEEL (GRITBLASTED) ≥ 2000	-55 to 120 (-65 to 248)	✓
154	Clear	2000-3500	PHENOLIC ≤ 30	STEEL (GRITBLASTED) ≥ 2500	-55 to 100 (-65 to 210)	✓
155	Black	2000-3500	PHENOLIC ≤ 30	STEEL (GRITBLASTED) ≥ 2500	-55 to 100 (-65 to 212)	✓
156	Clear	1600-3000	STEEL 35-45 ALUMINUM 20-40 POLYCARBONATE 30-50	STEEL (GRITBLASTED) ≥ 3000 ALUMINUM (ETCHED) ≥ 2200 POLYCARBONATE ≥ 1000	-55 to 120 (-65 to 248)	✓
194	Clear	650-750		STEEL (GRITBLASTED) ≥ 1500		✓
196	Clear	1400-1800	WOOD (w/ Accel 72) ≤ 120	STEEL (GRITBLASTED) ≥ 2000		✓
73421	Clear	80-200	STEEL < 20 ALUMINUM < 30 POLYCARBONATE 5-10	STEEL (GRITBLASTED) ≥ 2000 ALUMINUM (GRITBLASTED) ≥ 2000 POLYCARBONATE ≥ 1000	-40 to 100 (-40 to 212)	✓
80122	Clear	1250-2000	POLYCARBONATE ≤ 20	STEEL (GRITBLASTED) ≥ 2000	-55 to 82 (-65 to 180)	✓



**HERNON® SUGGESTED
DISPENSING EQUIPMENT**

AUTOBONDER®: 2101

AUTOBONDER®: 2111

THERMALLY CONDUCTIVE ADHESIVES

DISSIPATOR®

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.

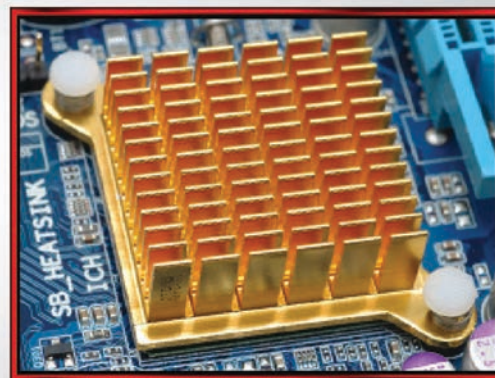
GRADES AVAILABLE:

- **745:** (Blue Paste) Self-Leveling / Self-Shimming; Insulates To 500 Volts; Broad Heat Sink Use.
- **746:** (White Paste) Controlled Bond Strength To Facilitate Field Servicing Of Components; Easily Replace Parts.



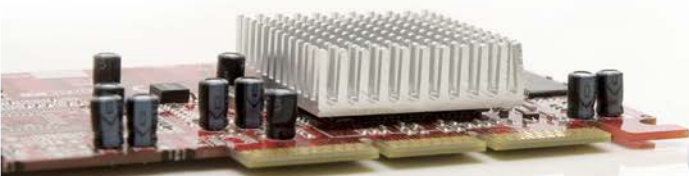
SIGNIFICANT FEATURES & ADVANTAGES OF DISSIPATOR®

- 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 HERNON'S Dissipator® Adhesives
- Fast Room Temperature Cure



THERMALLY CONDUCTIVE ADHESIVES: DISSIPATOR®

GRADE	COLOR	VISCOSITY @ 77°F, cP	FIXTURE TIME w/ ACTIV. 63 @ ROOM TEMP	TENSILE STRENGTH (N/mm ² psi)	TEMPERATURE RANGE, °C (°F)	CLICK FOR TDS
745	BLUE	300,000 - 800,000	< 5 MINUTES	15.2 (2,200)	-55° to 150° (-65° to 300°)	✓
746	WHITE	500,000 - 1,000,000	< 5 MINUTES	12.8 (1,860)	-55° to 150° (-65° to 300°)	✓



UV CURING ADHESIVES & COATINGS

ULTRABOND®

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

Ultrabond® adhesives remain uncured until exposed to ultraviolet light. Heron® 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.



FEATURES & ADVANTAGES OF ULTRABOND® ADHESIVES

- 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 Heron® 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 & Heron® UV Curing Systems



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

ULTRABOND®

ULTRABOND® TYPICAL VALUES

Grade	Color	Viscosity, cP	Refractive Index	Hardness After 24 Hrs	Shear Strength, Glass-Glass (psi)	Shear Strength, Glass-Steel (psi)	Click For TDS
721	Lt Yellow	700 - 1200	1.481	40-80 shA	≥ 200	Polycarbonate ≥ 100	✓
721LV	Lt Yellow	150 - 400	1.479	40-80 shA	≥ 200	Polycarbonate ≥ 100	✓
736	Clear	19,000 - 24,000	1.47	45-55 shD	≥ 200	> 1000	✓
740	Clear	6,000 - 7,300	1.476	55-70 shD	≥ 500	≥ 100	✓
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	✓
758	Clear	270 - 350	1.48	75-85 shD	≥ 1000	≥ 300	✓
773	Clear	15,000 - 25,000	1.475	65-75 shD	≥ 500*	> 500*	✓
787	Yellow	4,000 - 6,000	1.484	55-65 shD	≥ 350	Polycarbonate ≥ 500	✓
3443	Clear	15,000 - 35,000	1.47	40-50 shD	> 300*	> 300*	✓
55711	Orange	450,000 - 550,000	N/A	-	≥ 500	100-350	✓
71813	Clear	15,000 - 35,000	1.47	40-50 shD	> 300*	> 300*	✓



**GREAT FOR WATERPROOFING
LED LIGHTING!**

**HERNON® SUGGESTED
DISPENSING EQUIPMENT**

**AUTOBONDERS:
2101, 2111, 2512**

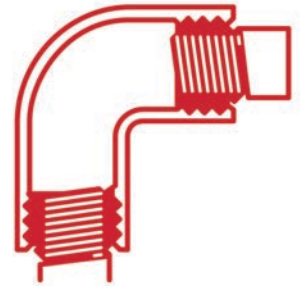
**RAMBO
MANUAL &
PNEUMATIC GUNS**

THREAD SEALING & THREADLOCKING:

DRIPSTOP®

ANAEROBIC PIPE SEALANTS

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.



SUPERIOR TO CONVENTIONAL PIPE DOPES & TAPES!

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, 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



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



GRADES: 943, 944



GRADE: 940

TYPICAL BONDING APPLICATIONS FOR DRIPSTOP®:

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

DRIPSTOP®

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	Click For TDS
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	✓
927	White	300,000 - 600,000	-55 to 204 (-65 to 400)	20-95	20-95	✓
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	✓
944	Brown	1,500 - 2,500	-55 to 150 (-65 to 300)	10-25	10-25	✓
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	✓
950	Light Green	4,000,000 - 6,880,000	-55 to 232 (-65 to 450)	-	-	✓



HERNON® SUGGESTED DISPENSING EQUIPMENT

**AUTOSEALERS:
2650, 2600-850, 2600
RAMBO
MANUAL &
PNEUMATIC GUNS**

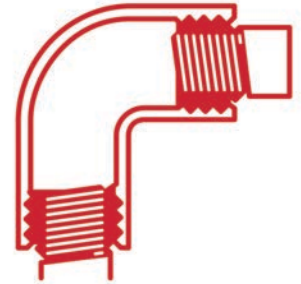
THREAD SEALING & THREADLOCKING:

SELFSEALER®

PRE-APPLIED THREAD SEALANTS

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.

TOUGH, NON-HARDENING & REUSABLE!



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



ALL GRADES OF SELFSEALER® ARE:



NSF International Certified to NSF / ANSI Standard 61 for use in commercial and residential potable water systems not exceeding 82°C (180°F).



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.

TYPICAL APPLICATIONS FOR SELFSEALER®:

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

SELFSEALER®

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)	CLICK FOR TDS
604	White	4,000 - 6,000	220	10,000 psi	-55° to 150° (-65° to 300°)	✓
615	Burnt Orange	22,000 - 32,000	287	10,000 psi	-55° to 150° (-65° to 300°)	✓
616	White	15,000 - 25,000	150	10,000 psi	-55° to 150° (-65° to 300°)	✓
618	Burnt Orange	4,000 - 6,000	235	10,000 psi	-55° to 150° (-65° to 300°)	✓
622	Gray	4,000 - 10,000	270	10,000 psi	-55° to 150° (-65° to 300°)	✓

HERNON® SUGGESTED DISPENSING EQUIPMENT

AUTOSEALERS:
2650, 2600-850, 2600
RAMBO
MANUAL &
PNEUMATIC GUNS



THREAD SEALING & THREADLOCKING:

NUTS N' BOLTS®

ANAEROBIC ADHESIVES, SEALANTS & THREADLOCKERS

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 and are available in low, medium or high strength locking formulas.



LOCKS, SEALS & PREVENTS CORROSION OF THREADED ASSEMBLIES

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



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

NUTS N' BOLTS®

NUTS N' BOLTS® TYPICAL VALUES

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	Click For TDS
128	Blue	75-85	0.004"	-	> 2.82 (> 25)	✓
220	Green	10-25	0.004"	> 75	16.95 - 42.37 (150 - 375)	✓
223	Red	1000-2500	0.01"	> 50	11.3 - 28.25 (100 - 250)	✓
225	Red	100-250	0.005"	> 50	11.3 - 28.25 (100 - 250)	✓
227	Red	10-25	0.004"	> 50	11.3 - 28.25 (100 - 250)	✓
230	Yellow	100-200	0.005"	> 35	7.91 - 19.77 (70 - 175)	✓
232	Blue	10-25	0.004"	> 20	4.52 - 11.3 (40 - 100)	✓
234	Blue	1000-2000	0.01"	> 20	4.52 - 11.3 (40 - 100)	✓
236	Red	100-250	0.005"	> 20	4.52 - 11.3 (40 - 100)	✓
237	Orange	40-80	0.005"	> 50	11.3 - 28.25 (100 - 250)	✓
238	Purple	100-250	0.005"	> 10	2.26 - 5.65 (20 - 50)	✓
240	Purple	10-25	0.004"	> 10	2.26 - 5.65 (20 - 50)	✓
246	Brown	100-250	0.005"	> 5	1.13 - 2.82 (10 - 25)	✓
248	Brown	10-25	0.004"	> 5	1.13 - 2.82 (10 - 25)	✓



**HERNON® SUGGESTED
DISPENSING EQUIPMENT**

AUTOBONDER®: 2101

AUTOBONDER®: 2111

NUTS N' BOLTS®

NUTS N' BOLTS® 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	Click For TDS
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)	☑
418	Blue	10-20	2.26 - 11.3 (20 - 100)	11.3 - 22.6 (100 - 200)	1.69 - 22.6 (15 - 200)	1.69 - 22.6 (15 - 200)	☑
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)	☑
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)	☑
422	Blue	115-135	11.3 - 22.6 (100 - 200)	3.39 - 22.6 (30 - 200)	5.65 - 16.95 (50 - 150)	2.26 - 22.6 (20 - 200)	☑
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)	☑
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)	☑
426	Green	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)	☑
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)	☑
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)	☑
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)	☑
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)	☑
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)	☑
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)	☑
439	Red	2500-3500	> 11.3 (> 100)	> 14.12 (> 125)	15.82 - 22.6 (140 - 200)	20.34 - 27.12 (180 - 240)	☑
928	Red	6000-12000	> 16.95 (> 150)	> 5.65 (> 50)	9.04 - 16.38 (80 - 145)	2.82 - 10.17 (25 - 90)	☑

THREAD SEALING & THREADLOCKING:

THREADPASTE

HIGH STRENGTH THREADLOCKING PASTE

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.



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

THREADPASTE 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	Click For TDS
432	Red	700,000 - 1.2M	15.82 - 39.54 (140 - 350)	13.56 - 56.49 (120 - 500)	<input checked="" type="checkbox"/>

TYPICAL APPLICATIONS FOR THREADPASTE:

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

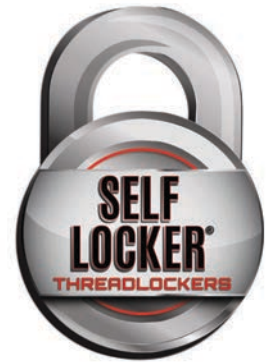


THREAD SEALING & THREADLOCKING:

SELF LOCKER®

PRE-APPLIED, MICRO-ENCAPSULATED THREADLOCKING COMPOUNDS

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.



STAYS DRY TO THE TOUCH!

SIGNIFICANT FEATURES & ADVANTAGES OF SELF LOCKER® THREADLOCKERS

- 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 Mo's With No Special Handling Or Storage Requirements
- Seals Against Leakage
- Easily Visible For Inspection



SELF LOCKER® TYPICAL VALUES

Grade	Color	Fixture Time, Room Temp., (Minutes)	Cure Time, Room Temp. (Hours)	Temperature Range, °C (°F)	Breakaway Torque, N·m (in-lbs)	Click For TDS
523	Light Yellow	2-3	72	-54 to 150 (-65 to 300)	11.3-22.6 (100-200)	<input checked="" type="checkbox"/>

TYPICAL BONDING APPLICATIONS FOR SELF LOCKER®:

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

PIPE SEALANT:

POWERSEAL

NON-HARDENING, NON-CURING PIPE SEALANT

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.



LUBRICATES & SEALS PIPE THREADS & O-RINGS

SIGNIFICANT FEATURES & ADVANTAGES OF POWERSEAL®

- Withstands Extreme Temperatures & Pressures
- Will Not Shrink, Crack or Crumble
- Will Not Harden Making The Connection Vibration Proof
- 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	Click For TDS
932	Gray Paste	1,300,000 - 3,600,000	Up to 600	-55 to 232 (-65 to 450)	Up to 10,000	<input checked="" type="checkbox"/>

TYPICAL BONDING APPLICATIONS FOR POWERSEAL®:

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

RETAINING COMPOUNDS:

CYLINLOCK®

ANAEROBIC SEALING FOR CYLINDRICAL SURFACES

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.



RETAIN CYLINDRICAL ASSEMBLIES!

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



TYPICAL BONDING 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®

CYLINLOCK® TYPICAL VALUES					
Grade	Color	Viscosity cP	Temperature Resistance Up To:	Compressive Shear Strength Steel Pin & Collar ASTM D4562 (psi)	Click For TDS
820	Red	500-700	150° C	≥ 2500	☑
821	Yellow	500-700	150° C	≥ 2500	☑
822	Green	100-125	150° C	≥ 2000	☑
823	Green	100-200	150° C	≥ 2500	☑
824	Green	1500-2500	150° C	≥ 2900	☑
826	Green	500-700	200° C	≥ 2500	☑
842	Green	6000-8000	232° C	≥ 2000	☑
843	Green	2000-3000	150° C	≥ 2500	☑
844	Green	400-600	150° C	≥ 2000	☑
846	Green	1000-1500	150° C	> 2500	☑
847	Lt. Amber	380-600	150° C	≥ 2000	☑
34323	Green	1700-2300	150° C	≥ 2500	☑
42633	Green	2000-3000	150° C	≥ 2500	☑
52631	Green	6000-8000	150° C	≥ 2500	☑



**HERNON® SUGGESTED
DISPENSING EQUIPMENT**

**AUTOBONDERS:
2101, 2111, 2512**

ROTOCOATERS

GASKETING:

GASKET REPLACER

ANAEROBIC GASKET SEALANT

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.



SUPERIOR RELIABILITY VS. REGULAR GASKETS!

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



TYPICAL APPLICATIONS FOR GASKET REPLACER®:

- Vacuum Pump Flanges
- Automotive And Truck Axle Covers
- Fuel Tanks On Chain Saws
- Thermostats
- Fuel And Water Pumps
- Gearbox Covers
- Transmission Housings
- Compressors

GASKET REPLACER

GASKET REPLACER TYPICAL VALUES

Grade	Color	Viscosity cP	Temperature Range, °C (°F)	Cure Speed, Hours		Gap Fill, mm (in.)		Recommended Primer	Click For TDS
				Unprimed	Primed	Unprimed	Primed		
906	Red	400,000 to 600,000	-55 to 150 (-65 to 300)	9 - 24	0.5 - 4	0.254 (0.010)	1.27 (0.050)	49 or 50	✓
907	Red	165,000 to 500,000	-55 to 150 (-65 to 300)	4 - 24	0.5 - 4	0.254 (0.010)	0.508 (0.020)	49 or 50	✓
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)	49 or 50	✓
916	Red	500,000 to 1,000,000	-55 to 150 (-65 to 300)	4 - 24	0.5 - 4	0.254 (0.010)	1.27 (0.050)	49 or 50	✓



Gasket Replacer Applied To An Engine Block

SPECIFIC 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	Click For TDS
362	Black Liquid	4000 - 6000	≥ 600°F (315°C)	0.94	☑

TYPICAL BONDING APPLICATIONS FOR BRAKE BONDER:

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

SPECIFIC 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.



IDEAL FOR LARGE AND/OR SMALL 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	Shear Strength (73°F - 22°C)	Shear Strength (400°F - 204°C)	Click For TDS
360	Black Liquid	4000 - 6000	2500 - 4500	500 - 1500	☑

TYPICAL BONDING APPLICATIONS FOR VOICE COIL BONDER® 360:

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

HERNON® SUGGESTED DISPENSING EQUIPMENT

AUTOSEALER® 2600
 AUTOSEALER® 2600-850
 AUTOSEALER® 2650
 RAMBO
 MANUAL & PNEUMATIC GUNS

SPECIFIC APPLICATION PRODUCTS:

WELD SEALANT

POROSITY PENETRATING ADHESIVE/SEALANT

Weld Sealant 433 is a single component anaerobic penetrating adhesive and sealant. Utilizing capillary action, Weld Sealant 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.



SIMPLY BRUSH ON TO APPLY!

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 Resistance Up To 400°F (204°C)
- 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 <i>Cure Time 24 Hours</i>	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Steel Bolts <i>Cure Time 24 Hours</i>	Breakaway Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Plated Steel Bolts <i>Cure Time 24 Hours</i>	Prevailing Torque N•m (in-lbs) ASTM D5363 3/8x16 Grade 5 Plated Steel Bolts <i>Cure Time 24 Hours</i>	Click For TDS
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)	<input checked="" type="checkbox"/>

SPECIFIC APPLICATION PRODUCTS:

METAL CEMENT

FOR QUICK REPAIRS OF WORN MACHINERY PARTS!

Metal Cement 850 is a single component, high strength, anaerobic curing, silver gel that is designed for quick repairs of worn machinery parts. Once confined between parts, it develops a high strength bond with excellent chemical and temperature resistance.

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)	Click For TDS
850	Dark Silver	1,000,000 - 1,300,000	-65 to 300	20.7 (3000)	☑

SPECIFIC APPLICATION PRODUCTS:

RUST ELIMINATOR

CHEMICALLY TRANSFORMS RUST INTO AN INERT COATING & 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® 32

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



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

RUST ELIMINATOR 32 TYPICAL VALUES

Grade	Color	Viscosity @ 25°C, cP	Resin	Specific Gravity	Click For TDS
32	White/Black	225 - 500	Acrylic	1.23	☑

SPECIFIC APPLICATION PRODUCTS:

TAMPER PROOF

CAN PREVENT OR SHOW SIGNS OF TAMPERING ON FASTENERS OR SURFACES!

TamperProof 610 is a water-based masking product designed for tamper proofing applications. 610 can be applied with a brush or dispensing equipment. TamperProof 610 dries quickly at room temperature to a very flexible coating with a dark blue color. This product can even be applied to oily surfaces which eliminates the need for cleaning prior to application.



TAMPERPROOF 610 TYPICAL VALUES

Grade	Color	Specific Gravity @ 25°C	Viscosity @ 25°C, cP	Temperature Range C° (F°)	Gap Fill mm (in.)	Click For TDS
610	Blue Liquid	1.27	20,000 - 30,000	-55 to 79 (-65 to 175)	0.051 (0.002)	☑

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	Click For TDS
25	Black	500-700	Synthetic Rubber	-40 to 150 (-40 to 302)	≤ 5 Minutes	☑

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.



MIL-S-22473E ASTM D5363		
GRADE	GRADE	ASTM
49	T	PRIMER GRADE T
50	N	PRIMER GRADE N
220	AA	AN011
223	AVV	AN0124
225	AV	AN0123
227	A	AN0121
230	B	AN0131
232	C	AN0141
234	CVV	AN0143
236	CV	AN0142
237	D	AN0122
238	EV	AN0152
240	E	AN0151
246	HV	AN0162
248	H	AN0161
943	JV	AN0171
944	HVV	AN0163

MIL-A-46050C		
GRADE	TYPE	CLASS
48	IA OR IIA	--
52	IA OR IIA	--
58	IA OR IIA	--
110	I	2
112	I	1
113	II	1
114	I	3
115	II	3
117	II	3
119	II	1
120	II	3
121	II	3
122	II	5
123	II	2
124	II	1
127	II	5
134	II	2
135	II	2
138	II	5

CID A-A-3097		
GRADE	TYPE	CLASS
48	I OR II	--
52	I OR II	--
58	I OR II	--
110	I	2
112	I	1
113	II	1
114	I	3
115	II	3
117	II	3
119	II	1
120	II	3
121	II	3
122	II	5
123	II	2
124	II	1
127	II	5
134	II	2
135	II	2
138	II	5

MIL-S-46163A ASTM D5363			
GRADE	TYPE	GRADE	ASTM
410	III	P	AN0241
420	II	M	AN0311
422	I	J	AN0231
423	II	M	AN0321
425	II	O	AN0331
427	I	K	AN0221
429	I	L	AN0211
431	III	R	AN0261

MIL-A-46106B	
GRADE	TYPE
333	I
334	I
336	I
340	I
343	I

MIL-I-17563C	
GRADE	CLASS
990	1 & 3
991	1 & 3

CID A-A-59720	
GRADE	GRADE
428	HT

MIL-R-46082B ASTM D5363		
GRADE	TYPE	ASTM
822	I	AN0441
826	II	AN0412
840	I	AN0411

ASTM D5363		
GRADE	CLASS	ASTM
990	61	NSF/ANSI STANDARD 61

MISCELLANEOUS INFORMATION:

UL APPROVED PRODUCTS



UL Certified to NSF/ANSI
Standard 61

UL CLASSIFIED MH62248
GRADE
<u>HPS® 990</u>
<u>SelfSealer® 604</u>
<u>SelfSealer® 615</u>
<u>SelfSealer® 616</u>
<u>SelfSealer® 618</u>
<u>Cylinlock® 824</u>
<u>Cylinlock® 843</u>
<u>Cylinlock® 845</u>
<u>Cylinlock® 846</u>
<u>Cylinlock® 34323</u>



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.

UL CLASSIFIED MH14222
GRADE
<u>HPS® 990</u>
<u>Dripstop® 920</u>
<u>Dripstop® 929</u>
<u>Dripstop® 940</u>
<u>Nuts N' Bolts® 427</u>
<u>SelfSealer® 604</u>
<u>SelfSealer® 615</u>
<u>SelfSealer® 616</u>
<u>SelfSealer® 618</u>

MISCELLANEOUS INFORMATION:

G.S.A.: GENERAL SERVICES ADMINISTRATION

CAPABILITIES STATEMENT FOR GOVT CUSTOMERS

Heron Manufacturing Inc.® is an ISO-9001 registered company with a Total Solutions approach offering high performance adhesives, sealants, precision dispensing valves, powerful UV LED curing components and complete systems to meet virtually any unique production need. Heron® has proudly been a longtime provider of goods to the GSA and continues to look forward to a long and successful supplier partnership.



OVERVIEW

Company: Heron Manufacturing Inc.®
Address: 121 Tech Drive Sanford, FL. 32771
Contact: Drew Richards
Telephone: (407) 322-4000 x 1319
Email: drewrichards@heron.com
DUNS: 293050331
CAGE: 61603
Year Established: 1978

FEDERAL CONTRACTS

- [GSA Contract: GS-21F-0168Y](#)
- DLA Registered
- SBA Registered

NAICS

- 325520 Adhesive Manufacturing

NOTABLE CUSTOMERS:

- US Army
- US Navy
- DLA Troop Support
- General Dynamics®
- Lockheed Martin®
- Northrop Grumman®
- Boeing®
- Winchester®
- Peterbilt®
- Remington®
- CBC (Companhia Brasileira de Cartuchos)
- Ruag®
- Bose®
- General Motors®
- Ford®
- Fastenal®
- ATK®
- Vista Outdoor®
- Sellier & Bellot®

AWARDS & HONORS

COMPANY AWARDS & HONORS

2019 Central Florida FAST 50

Orlando Business Journal

May 2019

Hernon Manufacturing was selected as a member of the 2019 Central Florida FAST 50! The Fast 50 list recognizes the 50 fastest-growing private companies headquartered in Central Florida's four county region: Orange, Seminole, Lake and Osceola.

2018 Top 100 Companies (To Work For)

Orlando Sentinel

August 2018

Hernon Manufacturing was named to the 2018 Orlando Sentinel Top 100 Companies list! The "Top 100 Companies" program is produced by the Orlando Sentinel in partnership with Best Companies Group; an independent research firm specializing in identifying and recognizing great places to work. This survey and award program was designed to identify, recognize and honor the best places of employment in Central Florida, benefitting the region's economy, its work force and businesses.

2018 State of Florida FAST 100

Orlando Business Journal

August 2018

Hernon Manufacturing was selected as an Honoree for the 2018 State of Florida FAST 100! The Fast 100 list recognizes the 100 fastest-growing private companies headquartered in the entire state of Florida. They are ranked based on the companies' percentage of growth from 2015-2017. The rankings were revealed and the honorees were recognized at the Fast 100 event, which was held on September 10 at the Citrus Club in Orlando, FL.

2018 Central Florida FAST 50

Orlando Business Journal

May 2018

Hernon Manufacturing was selected as a member of the 2018 Central Florida FAST 50! The Fast 50 list recognizes the 50 fastest-growing private companies headquartered in Central Florida's four county region: Orange, Seminole, Lake and Osceola.

<https://www.bizjournals.com/orlando/news/2017/05/10/2017-fast-50-meet-central-floridas-fastest-growing.html>

2018 CEO of the Year

Orlando Business Journal

April 2018

Harry Arnon, CEO of Hernon Manufacturing, was selected as a 2018 CEO of the Year by the Orlando Business Journal. The Orlando Business Journal recognizes the highest-level company executives who had significant achievements in their careers in the past year, have a strong record of innovation, outstanding performance in their work and are actively involved in our community.

<https://www.bizjournals.com/orlando/news/2018/04/18/innovation-and-achievementobj-unveils-2018-ceos-of.html>



Harry Arnon - CEO