

Technical Data Sheet Dripstop® 921

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Product Description

Hernon® Dripstop® 921 is a single component multiple purpose anaerobic adhesive gel for locking, lubricating and sealing threaded fasteners and pipe fittings.

Product Benefits

- Locks threads against vibrational loosening
- Lubricates threads to aid in assembly and eliminate thread damage
- Allows easy disassembly with normal hand tools
- Seals out air and moisture that cause corrosion –no more frozen or rust locked parts.
- Seals both liquids and gases in pipe threads and fittings
- Non-run gel consistency. Won't drip or run onto nearby components
- Replaces teflon tape, grease, anti-seize and mechanical thread lockers

Typical Applications

Seals and locks most hydraulic and pneumatic fittings up to a 1" diameter. Seals and locks pipe threads and fittings up to a 1" diameter.

Seals and locks fasteners subject to vibration and shock or corrosive and harsh environments.

Typical Properties (Uncured)

Property	Value
Resin	Dimethacrylate ester
Appearance	Yellow liquid
Viscosity @ 25°C, cP	50,000 - 110,000
Specific gravity	1.09
Flash point	See SDS

Typical Properties (Cured)

Property	Value
Pressure Resistance, psi	Up to 10,000
Temperature Range, °C (°F)	-73 to 100 (-100 to 212)

Typical Cured Performance

Cured for 24 hours at 22°C.

Substrate	Strength, (in-lb)	
3/8 x 24 Grade 2 Steel Nuts and Bolts - ASTM D6396	Breakaway torque:	53-133
	Prevailing torque:	28-85
3/8 x 24 Plated Steel Nuts and Bolts	Breakaway torque:	≥48
	Prevailing torque:	≥25

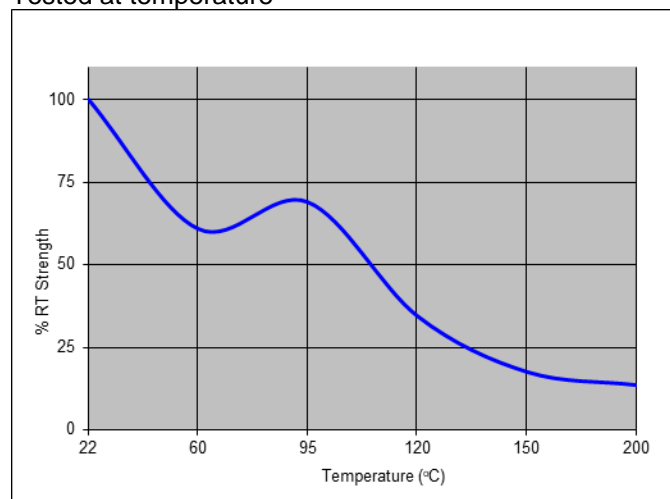
Typical Environmental Resistance

Cured for 1 week at 22°C

Breakloose Torque, ISO 10964, pretorqued to 45 in-lb M10 zinc phosphate nuts and bolts

Hot Strength

Tested at temperature



Chemical/Solvent Resistance

Aged under condition indicated - Tested at 72°F (22°C).

Chemical/Solvent	Temperature (°C)	% of Initial Strength
		1000 h
Water/Glycol 50:50	22	146
Brake Fluid	125	135
Acetone	22	93
Ethanol	22	79
Motor oil	22	98
Ethanol Fuel	87	109
Gasoline	22	120
Diesel Fuel	22	157
DEF	22	146

General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Safety Data Sheet (SDS).

Where aqueous washing systems are used to clean the surfaces before bonding, it is important to check for compatibility of the washing solution with the adhesive. In some case, these aqueous washes can affect the cure and performance of the adhesive.

This product is not normally recommended for use on plastics (particularly thermoplastic materials where stress cracking of the plastic could result). It is recommended to confirm compatibility of the product with such substrates.

Directions for use

For Assembly

1. For best results, clean all surfaces (external and internal) with **Hernon® Cleaner 62** and allow to dry.
2. If the material is an inactive metal or the cure speed is too slow, spray with **Hernon® Primer 49 or 50** and allow to dry.
3. Apply a 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids. For bigger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also.
4. Using accepted trade practices, assemble and wrench tighten fittings until proper alignment is obtained.
5. Properly tightened fittings will seal instantly to moderate pressures. For maximum pressure resistance and solvent resistance allow the product to cure a minimum of 24 hours.

For Disassembly

1. Remove with standard hand tools.
2. Where hand tools do not work because of excessive engagement length or large diameters (over 1"), apply localized heat to approximately 250°C. Disassemble while hot.
3. Once disassembled, cured adhesive can be removed with **Hernon® Gasket Remover 30**.

For Cleanup

1. Cured product can be removed with a combination of soaking in **Hernon® Cleaner 62** and mechanical abrasion such as a wire brush.

Storage

Dripstop® 921 should be stored in a cool, dry location in unopened containers at a temperature between 45°F to 85°F (7°C to 29°C) unless otherwise labeled. Optimal

storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

Dispensing Equipment

Hernon® offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

These suggestions and data are based on information we believe to be reliable and accurate, but no guarantee of their accuracy is made. HERNON MANUFACTURING®, INC. shall not be liable for any damage, loss or injury, direct or consequential arising out of the use or the inability to use the product. In every case, we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine whether the product is of satisfactory quality and suitability for their operations, and the user assumes all risk and liability whatsoever, in connection therewith. Hernon's Quality Management System for the design and manufacture of high-performance adhesives and sealants is registered to the ISO 9001 Quality Standard.