

Technical Data Sheet Dripstop[®] 947

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Product Description

Hernon[®] Dripstop[®] 947 is a high performance adhesive/sealant specifically formulated for the sealing and mild locking of hydraulic and pneumatic threaded parts used with hydraulic and pneumatic equipment. Dripstop[®] 947 will seal pipe threads, standard nuts and bolts, fittings for hydraulic and pneumatic systems, air conditioners, fittings for refrigeration equipment, and all types of water and chemical processing valves and equipment, including steam up to 350°F.

Dripstop[®] 947 is a single component, thixotropic (non-migrating) anaerobic adhesive/sealant, which will provide a rapid cure at room temperature. Upon cure, Dripstop[®] 947 becomes a highly crosslinked thermoset plastic preventing leakage from shock, vibration as well as corrosive liquids and atmospheres.

Product Benefits

- Effectively seals a wide range of industrial fluids and gases.
- Does not shrink or crack due to solvent evaporation. (100% solid system)
- Ready to use, single component.
- Room temperature cure.
- In the liquid state, completely disperses in most hydraulic fluids.

Typical Properties (Uncured)

Property	Value
Resin	Dimethacrylate ester
Appearance	Brown liquid
Viscosity @ 25°C, cP	12,000 to 16,000
Specific gravity	1.20
UV Fluorescence	Positive
Flash point	See MSDS

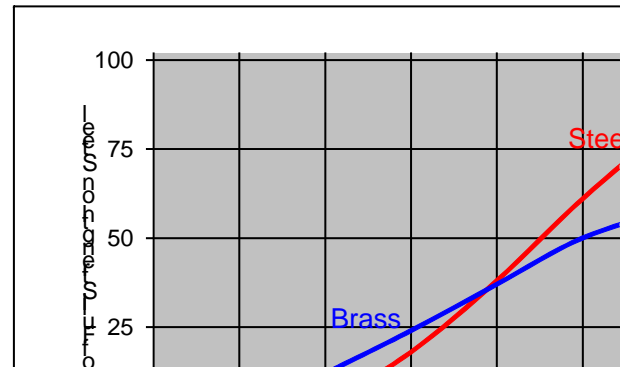
Typical Properties (Cured)

Property	Value
Pressure Resistance, psi	10,000
Temperature Range, °C (°F)	-55 to 150 (-65 to 300)

Typical Curing Performance

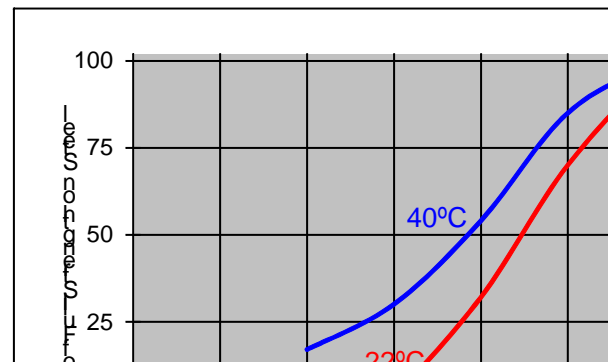
Cure Speed vs. Substrate

The rate of cure will depend on substrate used. The graph below shows the breakaway strength developed with time on M10 steel nuts and bolts compared to different materials and tested according to ISO 10964.



Cure Speed vs. Temperature

The rate of cure will depend on the ambient temperature. The graph shows the breakaway strength developed with time at different temperatures on M10 black oxide nuts and bolts and tested according to ISO 10964.



Typical Cured Performance

Cured 24 hours at 22°C

Test	Test Specimen	Value
Breakaway Torque N•m (In-lb) ISO 10964	M10 Steel nuts and bolts	2.3 (20)
Shear Strength N/mm ² (psi) ISO10123	Steel Pins and Collars	≥1.52 (220)

Typical Environmental Resistance**Chemical/Solvent Resistance**

Aged under conditions indicated and tested at 22°C.

Chemical/Solvent	Temp (°C)	% of Initial Strength		
		100 hr	500 hr	1000 hr
Water Glycol 50/50	87	100	100	100
Brake fluid	22	100	100	100
Ethanol	22	100	90	90
Unleaded Gasoline	22	100	100	95
Acetone	22	100	95	95
Motor Oil	125	100	100	100

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 Material Safety Data Sheet (MSDS).

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 cases 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.

Storage

Dripstop® 947 should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°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 9001:2008 Quality Standard.