

SelfSealer® 622

Product Description

Hernon® SelfSealer® 622 is a tough, pre-applied, non-hardening PTFE Containing threaded sealant. When dried, it becomes a resilient, tight clinging, non-curing sealant for tapered or straight threads. It provides an instant seal on different pipe threads and can be used up to eight (8) times without recoating.

SelfSealer® 622 is water based, non-toxic, safe and can be applied easily without special handling precautions. It provides resistance to vibrational loosening because of its prevailing torque characteristics. Therefore, it is very effective on non-locking applications.

Product Features

- No cure time is required. The pre-applied film provides instant sealing for NPT threads up to 4 inches in diameter immediately upon installation.
- Mechanically, the dry film generates prevailing torque characteristics making threaded parts resistant to vibrational loosening after installation.
- Corrosion is inhibited between mating threads. The threads are safely sealed from contact with the atmosphere by the coating.
- Safe to use with plastics. It will not craze or attack plastic components.

Product Benefits

- The pre-applied coating eliminates liquid and paste migration problems and concerns during installation.
- Precoated fittings can be stored for immediate delivery and assembly.
- The pre-applied coating is tough, resilient and resists shredding and peeling during assembly.
- Ideal for field assembly – precoated parts are always there and ready for the task.
- Precoated parts have a shelf life of several years.

Typical Applications

- Plumbing Parts
- Pipe Fittings
- Shower Heads
- Broken Fittings
- Door Closure Hardware
- Compressor Pipe Plugs
- Bearing Adjuster Nuts
- Overhead Fire Sprinklers

- Brake Fittings
- Valves
- Pressure Gauges
- Resistant to Bleach

Typical Properties

Property	Value
Chemical Type	Acrylic
Appearance	Charcoal
Viscosity @ 25°C, cP	4,000 – 10,000
Instant Seal ½ inch NPT fittings	to 4,150 kPa (600 psi)
Operating Temperature	-55 to 150°C (-65 to 300°F)
On Part Life	4 years
Specific gravity	1.21
Flash point	Aqueous

Typical Performance

Torque Strength

Property	Torque (in-lb)
Seating Torque	416
Breakloose Torque	220

Pressure Resistance

Pipe Size	Test Pressure	Result
½ in. NPT	10,000 Psi	No Leakage
3 in. NPT	3,000 Psi	No Leakage

Chemical / Solvent Resistance

Test performed on ½ inch NPT tees and malleable plugs. Tested at 4,150 kPa (600 psi) air after 30 days immersion in solvents indicated.

Solvent	°C (°F)	Result
10W30 Motor Oil	120 (248)	No Leakage
Water/Glycol 50/50	100 (212)	No Leakage
Diesel Fuel	50 (122)	No Leakage
Dexron VI (ATF)	120 (248)	No Leakage
Hydraulic Steering Fluid	120 (248)	No Leakage

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.

Hernon® Technical Data Sheet

SelfSealer® 622

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

Directions for Use

Application

Self Sealer 622 can be applied from the bottle directly to pipe threads or from semi-automatic or automatic applicators. The parts to be coated must be clean, dry and free from any surface contamination. The quantity to be applied on the threads depends on the surface area of the parts to be coated. The table below shows approximate amounts of **SelfSealer® 622** required for various pipe sizes. Properly coated parts should merely be moistened with a thin film of **SelfSealer® 622**.

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It is not recommended to use with brass parts.

Usage Chart for SelfSealer® 622

Pipe Size, in.	Coating Width, in.	ml/1000 Parts
1/16	5/16	30
1/8	3/8	50
1/4	7/16	112
3/8	1/2	155
1/2	9/16	285
3/4	5/8	400
1	3/4	725
1 1/4	13/16	980
1 1/2	7/8	1150
2	1 1/16	1525
2 1/2	1 1/8	3225
3	1 3/16	4000

Drying Requirements (Thin Film)

- Five (5) to twenty-five (25) minutes @ 150°F with the air flow not less than 500cf/m.
- One half (1/2) to two (2) hours @ 75°F with the air flow not less than 500 cf/m.
- Two (2) to four (4) hours @ 75°F

Storage

SelfSealer® 622 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.