

Technical Data Sheet ThreadPaste 440

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Product Description

Hernon[®] Threadpaste 440 is a single component anaerobic thread-locking compound designed for applications subject to operating temperatures to 300°F.

The product delivers medium strength locking and sealing on screws, nuts, bolts, studs and fittings.

Typical Properties (Uncured)

Property	Value	
Chemical Type	Dimethacrylate ester	
Appearance	Blue Fluorescent Liquid	
Viscosity @ 77°F (25°C), cP	0.5 rpm	600,000 -1,000,000
	5 rpm	80,000 – 120,000
Specific gravity	1.1	
Flash point	See SDS	

Typical Properties (Cured)

Property	Value
Temperature Range, °C (°F)	-55 to 150 (-65 to 300)
Set time, Steel, minutes	≤25

Typical Cured Performance

Torque Strength

Cured and tested at 22°C on 3/8 x 16 grade 5 bolts and type 2 nuts according to ASTM D5363.

Cure	Substrate	Torque	in-lb
24 Hours	Steel	Breakaway	50 - 200
		Prevailing	20 - 200
24 Hours	Black oxide	Breakaway	70-200
		Prevailing	70-200

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 best performance surfaces should be clean and free of grease. **Threadpaste 440** should be applied to the bolt in sufficient quantity to fill all engaged threads.

Disassembly and Cleanup

To aid in disassembly anaerobic compounds can be weakened by heating to temperatures above 500°F (260°C). Once disassembled, cured adhesive can be removed with **Hernon[®] Gasket Remover 30**.

Storage

Threadpaste 440 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.

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