



# TECTORIUS® TEC-LOK™ 130 SERIES

High-Temperature Patch

## DESCRIPTION:

The Tectorius Tec-Lok family includes a replacement for nylon patch engineered for performance at extreme temperatures. This resilient locking patch is applied to the threaded portion of a fastener to prevent unintended loosening and promote sealing. This specialized grade performs not only at ultra-high temperatures, but also in ultra-low, semi-cryogenic environments.

This non-reactive type of thread locker is intended for parts that need to remain serviceable and removable, while also being resistant to most fluids, solvents and harsh environments, even at extreme temperatures.

Tectorius offers a wide range of color options to easily identify your company, customer, or distinguish a particular part size or type.

Tec-Lok is a highly engineered formula that provides all of the traditional features of nylon patch, yet is stable at 371°C (700°F) or higher. The position and length of patch is variable to suit your requirements.

Unlike other brands, application requires part heating to only 250°C (418°F), leaving plating, finishes and heat treating undamaged.

Specific formulations of Tec-Lok™ meet or exceed the performance requirements of the following standards:

### AUTOMOTIVE:

- Chrysler: PF-5144, PF-5461, PF-6157, PF-6158
- Ford: ES-382101-S100, ES-378813-S100, ES-N800688-S100, WA970, ES-21002-S100
- General Motors: GM6189P

### INDUSTRIAL FASTENER INSTITUTE:

- IFI 100, IFI 124, IFI 524, DIN 267 Part 28

### U.S. MILITARY:

- MIL-N-25027, MIL-F-18240E, MIL-DTL-18240F

### OEM:

- Detroit Diesel 9S240, Eaton 205372, Meritor (Rockwell) Q-70, New Process Gear PS 616



## PRODUCT FEATURES:

- » **Flexible Coverage:** Tec-Lok 130 Series patch allows for 90-360° coverage around the part.
- » **Reliable Lock:** A more secure thread lock and seal results from a 360° application.
- » **Resists and Seals:** Excellent chemical and corrosion resistance.
- » **Heat Resistance:** Up to 371°C (700°F)
- » **Stability:** Outstanding color stability

\*The information provided is based on technical data that Tectorius believes to be reliable. Since we cannot anticipate or control the various conditions under which this information and our product may be used, we cannot guarantee the applicability of this information or the suitability of our product in any individual situation. Therefore, the product is sold without warranty expressed or implied.

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High Temperature Patch

## AVAILABLE GRADES:

Grade Number	Color	Viscosity	Pre-Cured State
130	Yellow, Red, Green, Blue	400-1800 cPs	Water Based Liquid
133	Yellow, Red, Green, Blue, Black	400-1800 cPs	Solvent Based Liquid
134	Black	400-1800 cPs	Water Based Liquid
135	Yellow	Powder	High Temp Patch
136	Green	Powder	High Temp Patch
137	Blue	Powder	High Temp Patch
138	Red	Powder	High Temp Patch
139	Black	Powder	High Temp Patch

## SPECIFICATIONS:

<b>Operational Temperatures</b>	-150° to 371°C (-238° to 700°F)
<b>Material</b>	Proprietary Polymer Formula
<b>Primary Usage</b>	Lock and seal
<b>Shelf Life</b>	Indefinite on-part shelf life under ideal storage conditions [4 to 32°C (40 to 90°F)]. Recertification required once per year.
<b>Reusability</b>	Up to 5 on-off cycles
<b>Hardness</b>	Shore D (ASTM D2240) 50-80 Durometer
<b>Dielectric Strength</b>	(ASTM D149 short time) 800-1200 volts/mil @10.0 mils (varies with color)
<b>Taber Abrasion</b>	(ASTM D4060) 10-18 mg loss CS-10 wheel, 1000g load, 1000 cycles (varies with color)
<b>Direct Impact Resistance</b>	(MPTM 0002) 160 in. lbs. @ 10.0 mils
<b>Salt Spray Resistance</b>	(ASTM B117) 1000+ hours (X Scribe)

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