HIGH-TEMPERATURE PATCH FOR LOCKING & SEALING – PRE-APPLIED TO SEELSKREW®, SEELBOLT® & SEALNUT® SELF-SEALING FASTENERS

HIGH-TEMPERATURE PERFORMANCE – Maintains torque values through temperatures from -70°F (-57°C) to +500°F (+260°C)

A specially formulated Nylon high-temperature Patch is generally applied to a minimum of 2-3 threads from the fastener end with 4-6 threads of coverage to assure ease of starting the nut/bolt assembly. When the mating threads are engaged, the patch is compressed creating a dam-like action on the opposite side of the coating resulting in very strong metal-to-metal contact. When the high-temperature patch is fully seated, it forms a positive lock that will not loosen, *even under extreme vibration*. This dam-like action adds to the high-pressure sealing characteristics of the O-ring & groove sealing design of our self-sealing fasteners.

FEATURES

- **Retains Full Strength:** APM Hi-Temperature Patch process involves no drilling or milling, so there is no loss of the fastener's strength or hardness and no troublesome burrs or chips.
- **Saves Money & Time:** APM Hi-Temperature Patch eliminates the need for expensive lock washers, cotter pins, or castellated nuts, and bottled thread locking compounds at the point of assembly. The Patch remains secure; fasteners coated with APM patch can be automatically fed through standard bowl feeders without fear of material falling off.
- **Chemical resistance:** APM HI-Temperature Patch will not dry, shrink or otherwise be affected when exposed to commercial solvents, alcohol, gasoline, oil, caustic soda, jet fuel, etc.
- **Reusable:** APM fasteners coated with the Hi-Temperature Patch can be reused repeatedly with out damage to the threads. The patch is particularly resistant to deformation which makes it ideal for repeated use.
- **Eliminates Secondary Sorting:** During the patch application process, camera systems are used to verify the parts are precisely coated – thus eliminating the need for customer secondary sorting.

SPECIFICATIONS

Primary Useage: Lock and Seal
Reusability: Up to 5 on-off cycles
Material: Reinforced Nylon
Color: Orange and Gray*
Hardness: Shore D (ASTM D2240) 70-80 Durometer
Salt Spray resistance: (ASTM B117) 1000+ hours (X scribe)
Taber Abrasion: (ASTM D4060) 10-18 mg loss CS-10 wheel, 1000 g load, 1000 cycles
Dielectric Strength: (ASTM D149) 800-1200 volts/mil @10.0 mils
Direct Impact resistance: (MPTM 0002) 160 in. lbs. (@10.0 mils)

*QPL-18240 & MIL-DTL-18240F requires gray nylon.

HOW TO ORDER

Specify the head type, thread size, length, followed by the suffix – HTP.