



Nytemp® Self-locking Patch

Advantages

Torque and clamp load stability up to 232° C (450°F), more than any other patch material available today

Meets NASA's low outgassing requirements

Patch-type non-metallic locking element - eliminates the need for metal removal that can reduce fastener strength and performance

Vibration resistant: MIL-STD-1312 #7

Temperature range: -50°C to 232°C (-70°F to 450°F)

Variable patch length and location

180° (std) or 360° (optional) radial coverage

Patch can be applied to both internal and external thread fasteners of all types: nuts, screws, bolts, studs and specials

Features the industry's highest reusability: 15 cycles

Can be tailored to your application

PRELOK®

PRELOK® is the European market leader for pre-applied locking and sealing solutions for threaded components. We are constantly working closely with our material suppliers to develop new products and processes, which offer innovative jointing solutions to meet the ever changing demands from our customer base.

Nytemp®

When customers like the military and NASA asked for a locking element that would meet their toughest standards and deliver world-class performance in temperatures up to 232°C, PRELOK® engineers recommend Nytemp.

Nytemp® High temperature anti-vibration and locking patch, frees designers from the 121°C maximum of traditional materials.

It allows them to use self-locking fasteners with multiple cycle reuse capabilities in areas never before possible. It's compatible with aerospace and defence fastener alloys such as A286, INCO®718 and CRES300 series.

AS with most PRELOK® products, Nytemp was created to satisfy a specific need.



A member of the Melrose Group

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Nytemp® Self-locking Patch

Nytemp® benefits

The next generation of high temperature, self-locking fasteners for environments of up to 232° C.

Orange-coloured Nytemp® High temperature anti-vibration and locking patch is the most advanced high-temperature self-locking patch material available in the fastener industry.

Nytemp® High temperature anti-vibration and locking patch meets and exceeds these key government and industry specifications:

<i>Company Name</i>	<i>Specifications</i>
Detroit Diesel	TES-113
GM	6189P
IFI	124
IFI	524
IFI	100/107
ANSI	B.18.16.1M
Military	MIL-DTL-18240F
Military	MIL-QPL-18240 / DIN 267-PART 28
NASA	SP-R-0022A

Nytemp® High temperature anti-vibration and locking patch conforms to RoHS/WEEE

Pass or exceeds NASA outgassing with the following results.

TML=.02% VCM=.0%

WVR=.02%

Recommendations from PRELOK® engineers have also saved time and money, with many companies have experienced the value of working with us early in the design stage.

Recommendations

Hole Preparation

In all cases the female thread of the mating components should have the lead thread de-burred or countersunk to avoid damage to the patch material.

Thread Preparation

To obtain optimum patch performance both male and female threads should be in accordance with class 6g/6H (metric) or class 2a/2b (unified). High installation speeds can create galling of the threads affecting product performance.

**PRE-PRODUCTION SAMPLES ARE EVALUATED AND
THEN PROCESSED FREE OF CHARGE**