

## Ensuring assembly efficiency across Europe

A standalone business within an international engineering group, Prelok represents nearly 50 years of experience in the field of pre-applied locking and sealing processing. The company's products and services are used extensively throughout the automotive, information technology, telecommunications and general engineering sectors.

Prelok has strategically placed business units throughout Europe. These include Willenhall in the UK, Barcelona in Spain, Chamerande in France and two plants in Germany; one in Köln and the other in Finsterwalde, well located to support the Polish and Czech Republic markets. Prelok offers component processing through to a complete fastener finishing service that includes a comprehensive range of corrosion resistant surface treatments. Each site has a team of dedicated specialists available to advise on the most appropriate solution for a specific application and to provide technical support and application engineering as well as processing.

As a minimum Prelok has established quality approvals to ISO 9001:2000 and ISO 14001:2004 on all sites. Prelok Chamerande has achieved TS16949 with all other Prelok plants working to achieve this quality standard within the next year. Prelok products are approved to a wide range of industry standards including DIN 267 / DIN 268, all major European automotive manufacturers, and those of major mobile communications manufacturers.

Primary advantages of pre-applied technologies include the elimination of secondary locking systems such as nuts or washers; the replacement of hand applied tapes or gaskets; and controlled patch positioning instead of sometimes difficult to place liquid sealants or adhesives.

### Tuflok® – security with versatility

Prelok offers Europe's widest range of pre-applied locking and sealing solutions, eliminating the need for secondary locking devices, hand-applied liquid adhesives, or sealing tapes.

The Tuflok® process consists of fusing a distinctive Blue Nylon 11 material onto a defined area of the male thread surface – it can be applied to ferrous or non-ferrous components as well as most plated finishes and can be applied as part of Prelok's full plate and patch service.

Upon installation into the female threaded component, the nylon material is compressed filling the axial tolerances between the threads. The result is to create a strong metal-to-metal radial loading on the opposite flanks of the mating thread forms, which provides the locking action.

Tuflok® provides a secure anti-vibration lock eliminating secondary locking features such as special nuts and washers. It is effective, whether or not the fastener is fully seated, making it ideal for applications where continual adjustment is required – the Tuflok® simply and automatically locks in any position. Patch length and position can be determined prior to application.

Tuflok® 180 - is a blue nylon patch permanently fused to the screw thread, providing excellent vibration resistance and torque performance for all applications requiring controlled loading and re-usability.

Tuflok® 360 - gives full circumference coverage - completely around the thread - and is suitable for applications requiring a fully re-usable high-pressure seal against liquid or gas.

Specify Tuflok® the distinctive blue patch is your visual assurance of security and performance.

### NYTORQ® meets the challenge of inconsistent drive torque

NYTORQ® has proven itself an outstanding solution for inconsistent drive torques during assembly operations, a problem experienced throughout the automotive industry and other high volume assembly environments.

NYTORQ® is a pre-applied, non-toxic, water based, dry to touch, thread lubricant that may be used on a wide variety of applications. It is available in three different colours, white, yellow and clear, depending on geographical location and OEM. NYTORQ® can be pre-applied over most current plating finishes including chrome VI free coatings and can also be successfully combined with selected self-locking applications.

When NYTORQ® is applied to the lead threads of a trilobular thread form fastener the prevailing torque can be dramatically reduced. As a result a consistently lower installation torque is achieved; giving improved clamp load predictability with a narrow result scatter band.

The product can also help eliminate fastener chattering and give a reduction in noise levels together with the additional ergonomic benefits of longer tooling life and reduced assembly operator fatigue.

The NYTORQ® product complies fully with and is approved to the Ford WSS-M21P27-A4, General Motors GM-9986167 and Daimler Chrysler MS9775 standards.

NYTORQ® represents a highly cost effective solution to a serious fastener assembly challenge, delivering a reduction in total installation cost.

NYTORQ® and Tuflok® are registered trademarks of Nylok Corporation



*We provide our customers with the right pre-applied locking & sealing solutions for their fastening demands*



At PRELOK we offer a complete range of evaluation test facilities and our team of dedicated specialists is available to advise you on the most appropriate solution to your fastening problems.

With technical support, application engineering and processing facilities located throughout Europe and global strategic alliances, we can support your company wherever you are.

### Component Processing to One-Stop Shop Solutions

- From miniature items for mobile communication to M30 Bolts for Bridge Construction, we have the ability to process a vast range of components.
- We can also work with a wide range of materials including stainless steel and non-ferrous materials.
- We are approved by a majority of OEMs and have been recognised with a number of industry approvals and standards.
- Complete fastener finishing service including a comprehensive range of corrosion resistant surface treatments.

Our range of products include: Tuflok, Precote 200, Nytemp, Scotchgrip, Driseal, Microseal, Nyltite, Nyseal and Nyplas.

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