

TUFLOK®

PRE-COATING

Pre-coating is a technology developed about thirty years ago for automotive industry. During the '80s, fasteners were secured by liquid adhesives but the deposit caused much troubles on the assembly lines. The pre-coat solution came forward because of its easy to use and its favorable economic result.

Today, pre-coating is used in any industry. Our special machinery enables to realize small series (1000 units) as well as much larger series (1 million units) for a wide range of applications : M1 to M20 screws, M5 to M30 nuts, axes, pins, connectors, plugs, inserts ... special parts.



TUFLOK®

Tuflok® is a nylon powder which is warmly deposited on a threaded part. While screwing, the nylon is compressed. The radial tension created by the elastic deformation of the product causes a retaining by the increase of friction.

The retaining process is repositionable because the deformation of polyamide is partly reversible and enables to screw and unscrew the part for several times. The retain function is immediately active after screwing.

Tuflok® 180

The coating of Tuflok® 180 is applied at 180° on the periphery of the screw. It offers an excellent resistance to shocks and vibrations. It is also reusable several times.

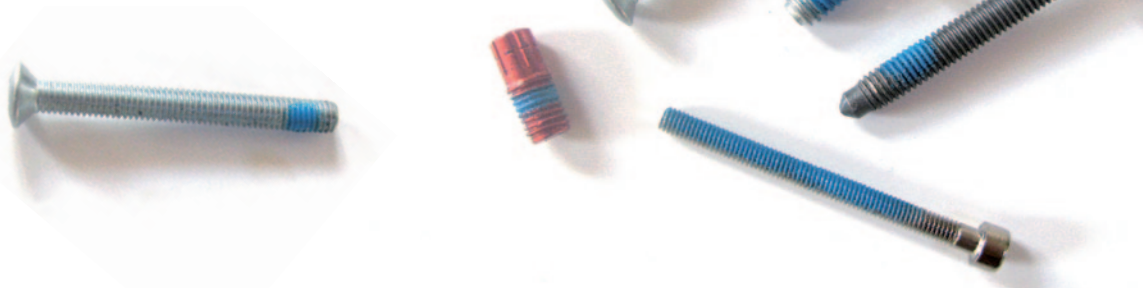
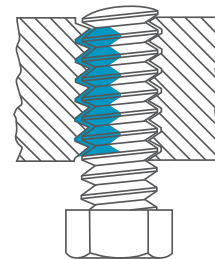
Tuflok® is even efficient on assemblies put under tension and is particularly recommended for adjusting screws.

Tuflok® 360

The coating of Tuflok® 360 is applied on the entire periphery of the unit. It is recommended for applications which need a high pressure sealing of liquids and gas.

It is also reusable several times.

TUFLOK® PRINCIPLE



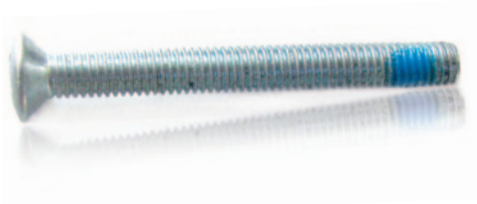
ADVANTAGES

- Reusable several times
- Good resistance to shocks and vibrations
- Adjustable coupling according to the application
- Adjustable position and width of the patch
- Replaces the retain system of nut, automatic retain nut, retain washer, pin ...
- Retaining with or without tension in the assembly
- No polymerization: immediate retaining and sealing
- Good resistance to chemicals: alcohol, petroleum, gasoil, oils, kerosene.



CHARACTERISTICS AND PRODUCTS

We use pre-coated products emanating from standing close working relationships with main manufacturers.



Temperature of use	- 56°C tot + 120°C
Storage of coated screws	endless
Coefficient of friction	0.3 / 0.4
Depositing at 180°	Low mechanical retaining
Depositing at 360°	Low mechanical retaining + sealing
Reusable (disassembly/ complete assembly)	5 times

QUALITY

Our processes are ISO 9001 certified and fulfill specific requirements in the automotive industry.



APPROVALS

Tuflok® is approved to many standards:

Renault 39.02.010
 P.S.A B 141235
 DIN 267-28
 IFI 124 & 524
 BS 7715: 1994
 GM 6189p
 WA 970
 JFS 02.01.04

