

Nylon Patch Anti-loosening Systems

Fulfill specific application requirements

Stanley Engineered Fastening can offer a wide range of different coating systems which are used in mobile phone industries. We can provide high quality and reliable anti-loosen fastening solutions for different environment, temperature and meet vibration test requirements as programs require anti-loosening solutions plus various of designs for best results.

Designing for performance guideline

NYLOK® - Non-reactive nylon coating (mechanical locking and thread sealing)

Main function: Increase of the loosening torque to pass the tumbling test

Remarks: Reusable, resistant to lubricants, fuel, hydraulic fluids and most commercial solvents

Torque values can be customized to meet your requirements,
90° ~ 360° radial coverage

Restrictions: Not suitable if electrical conductivity is required

Available colors: Blue, red, yellow



3M SCOTCH GRIP™ - Chemically reactive coating (adhesive, epoxy chemistry)

Main function: Increase of the loosening torque to pass the tumbling test

Remarks: Super-microencapsulate for smaller size thread
Environmental resistance, adhesive 360

Restrictions: Not suitable for screw sizes below M1.2, can not be reused

Available colors: Blue 2353, orange 2510



NYSEAL® - Non-reactive nylon coating

Main function: Underhead sealing, prevents galvanic corrosion between dissimilar materials

Remarks: Reusable, eliminates the leak path, will not shrink or dry out from age

Replace of O-rings, long-term protection, insulation of electrically conducting zones

Restrictions: Smallest screw diameter 1.4 mm at the moment

Available colors: Blue, green



PRECOTE® - Chemically reactive coating

Main function: Increase of the loosening torque to pass the tumbling test

Remarks: Thread adhesive with dual microencapsulation to maintain high integrity

Precise thread coverage every time, adhesive 360

Restrictions: Shelf-life 4 years at room temperature, apply for M3 or above threads

Available colors: Red 80, blue 19-7, yellow 19-7



All these coating systems can be applied on metric or tapping screws.

If you need more information please do not hesitate to contact our Application Engineers:

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STANLEY
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