

## High Quality Coating Co., Ltd

### Pre-applied Nylon Patch

Nylon Patch (Nylon Patch) can be reusable because it uses the nylon' s characteristic of friction-resistance and impact- resistance. Nylon will be filled into the tolerance space of the screw thread, so its screw thread can 100% match with the corresponding nuts in order to reach requirements of safety, relative to the general fasteners.

### Product overview

NYLON	NYLON Blue/Yellow	Pre-applied locking products, locking, reusable Temperature range:-56°C~121°C · equivalent to TUF-LOK
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Nylon General Spec	Germany	DIN267 28
	Ford	PF6158 · WA970 · ES 382101-S101
	America	IFI124 · IFI524 · IFI100 · GM6189P · GMW16722

#### Advantages:

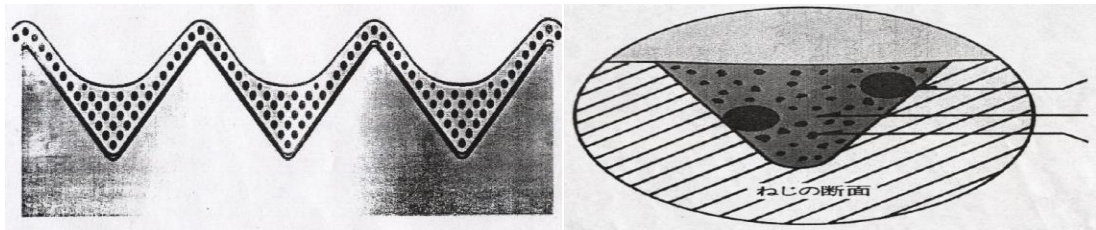
- (1) Good weather-resistance. It can be used from -50 °C to -150 °C; acid and alkali-resistance; solvent resistance.
- (2) Relatively lower construction costs. Coating area ranges from 90 degrees to 180 degrees.
- (3) Without waiting for the curing time. It can be used when cooling. Products are reusable.

#### Disadvantages:

- (1) Construction at higher temperature condition. It is easy to cause the quality issues of the parts' surface.
- (2) The quality and character of parts' surface will directly affect the quality of construction.
- (3) Impossible to rework if poor quality during product processing.

## Pre-applied chemical adhesive

The principle of adhesive locking is similar to the principle of A · B type adhesive. The main plasticizer will be mixed with microcapsules containing the hardener, and these mixed glue will be used to coat on the surface of the screw thread. The product can be preserved more than one year after drying. When assembling a bolt with a nut, microcapsules will be broken. The main plasticizer will be mixed with hardener to produce curing effect. After a period of time, these glues will be fully cured, and reach the anti-loose effect. Generally, this can increase



about 20% locking torque.

### Product overview

3M Chemical	3M 2353/Y	Pre-applied epoxy resins adhesive; Locking & sealing; No reusable
	3M 2510	Pre-applied epoxy resins adhesive; Locking & sealing; No reusable
	3M 2510N/P/ Turquoise	Pre-applied epoxy resins adhesive; Locking & sealing; No reusable

Product	2353	2510	2510-N/P/ Turquoise
Color	Blue	Orange	White/Red/Turquoise
Function	Room temperature	High temperature	High temperature
Breakaway Torque * (N.m)	>10.2	>10.2	>10.2
Prevailing-off Torque (N.m)	>55	>55	>55
Operation temperature(°C)	-30 ~ +200°	- 30 ~ +300°	-30 ~ +300°
Curing time	24 H	72 H	72 H
Shelf life	One year, temperature ranges from 4-38°C, relative humidity below 65%		

3M SCOTCH-GRIP™ is 3M trade mark

Chemical General Spec	Germany	DIN267 27 、 PS-005 、 N38A SR9.5
	Ford	WX-200 、 PF6616 、
	America	IFI125 、 IFI525 、 GM14657 、 GM-6175M/GM-6194-M 、 Q29 、 DX520401/DX520402 、 EPOXY LOCK

Advantages:

- (1) Pre-applied adhesive. The preservation period is long, and it can be immediately processed, shorten working hours.
- (2) With the increasing time, its locking torque will be also increased.
- (3) Products can be used at different environments, such as high temperature, room temperature, and oily-resistance.

Application:

1. Screws for automobile parts, gearbox parts, and engine parts
2. Screws for punch, milling machine
3. Screws for airplane parts, engine parts, tire, and hydraulic system parts
4. Screws for mining equipment

### Pre-applied chemical sealant

HQC offers Vibra-Seal® & Dri-Seal® sealant products. The advantage of pre-applied chemical sealant is that it is very suitable for mass production. That is the reason that HS\_483 is often used in Chromium industry, which can lower the cost of production.

### Product overview

Sealant	HS_483	Pre-applied sealing products, locking, reusable
HS_483 can be different colors, depending on customers' requirements		

**▶▶▶▶ We Are Your Best Coating Choose ◀◀◀◀**