



## *Pre-Applied Thread Sealant*

### *Advantages*

**Instantaneous high pressure seal**

**Unlimited adjustment**

**Superior Torque/Tension relationship**

**Plate and Patch service**

**Replaces hand applied tapes or gaskets**

**Re-useable**

**High temperature resistance**

**Controlled Patch position**

### **PRELOK®**

With production facilities strategically located throughout Europe PRELOK® offers a consistent approach, with Technical support and Applications Engineering positioned locally to support our diverse customer base.

### *Pre-Applied Thread Sealant*

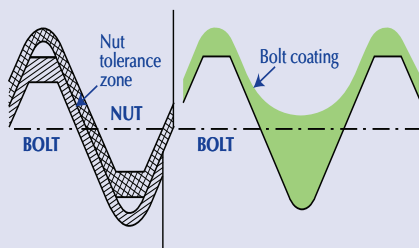
Our pre-applied thread sealant products form a dry to touch, ready to use coating that provides a highly efficient seal developed by compression of the sealant material between the mating thread flanks of the male and female components.

The non-reactive thread coatings are applied to the threaded portion of screws. Bolts, pipe fittings or special components, eliminating the need for hand applied tapes or liquid sealant that may be missed or applied incorrectly.

The PRELOK® processes offer high pressure sealing within the threaded assembly without any significant increase in removal torque. During the component assembly the coating material is compressed, filling in all axial tolerance gaps between the mating threads, creating a barrier against water, oils, air and gases at high pressure.

Applied as a liquid based suspension which is then oven dried to produce dry to touch, ready to use finished components that are easy to handle and have no special storage requirements.

#### *The Pre-Applied Thread Sealant Principle*



**A.** The Pre-applied process consists of applying a thin film of sealant onto a defined area of the male thread surface.

**B.** The coating is non-toxic, dry to touch, ready to use and safe to handle.

**C.** Upon installation into the female threaded component, a compressive force is developed, forming a barrier against liquid, oils and gasses.



*A member of the Melrose Group*

**PRELOK®. Tel: 01902 600000 Fax: 01902 600115 [www.prelok.com](http://www.prelok.com)**

# Pre-Applied Thread Sealant

## Product Guide

Product	Colour	Type	Max Patch Length	Standard Patch Length	Standard Patch Lead	Storage Life	Operating Temp (°C)	Sealing Capacity (M10 Thread)	Coefficient of Friction	Re-Usability	Size Range
Precote® 5	White	Aqueous Mineral	50mm	4-6 Pitch	1-2 Pitch Lead	4 Years	-50 + 180	>50 Bar	0.11/0.15	Upto 5	M4-M30
Scotchseal® 4291	White	Latex	25mm	4-6 Pitch	1-2 Pitch Lead	1 Year	-25 + 150	>50 Bar	0.11/0.15	Nil	M4-M30
Dri-Seal® 506	Light Blue	PTFE Mineral	25mm	4-6 Pitch	1-2 Pitch Lead	2 Years	-50 + 150	>150 Bar	0.08/0.15	Upto 5	M4-M30
Microseal® 204	Light Green	PTFE Mineral	25mm	4-6 Pitch	1-2 Pitch Lead	2 Years	-50 + 150	>150 Bar	0.08/0.15	Upto 5	M4-M30

## Industry Approvals

The PRELOK® pre-applied adhesive products are approved to a wide range of industry standards including:

Ford (WX201 & WSS-M18P12-A)

Renault (39.02.010)

Volvo (STD 1262,2)

Perkins Engines (PMS P1.04)

Jaguar/Landrover STJLR.60.5020.X201

and many more...

- We currently process a range of Headed Components, Studs, Plugs and similar parts.
- We can apply our coating to ferrous or non-ferrous materials (Steel, Aluminium, Brass or Stainless Steel and some plastic materials).
- With our strategic Plating alliances we offer a complete one-stop-shop Plate and Patch service.
- This is a general guide to the products we currently process. We are able to process other components subject to evaluation.

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

## 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 sealant performance both male and female threads should be in accordance with class 6g/6H (metric) or class 2 a/b (unified).

### Finishes

A Sealant can be applied to most popular plated finishes, as well as polymer and organic coatings.

### Customer free issue components

We would not recommend re-usability of these products on parallel threads. Our experience is that limited re-use is achievable on tapered threads, however, tests should be conducted on your specific application.



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