



## Pre-Applied Underhead Sealants

### Advantages

Replaces loose sealing washers

Can be applied to bearing surfaces of rivets, plugs, inserts, fasteners and other components

Pre-applied head sealant

Eliminates gasket seals and sealing components

Saves money and time on assembly production line

Adheres to most most popular corrosion protective finishes

Fills the void between mating components to form a seal

### PRELOK®

PRELOK® is the European market leader for pre-applied locking and sealing solutions for threaded components. We are constantly working closely with our material suppliers to develop new products and processes, which offer innovative jointing solutions to meet the ever changing demands from our customer base.

### Underhead Sealants by PRELOK®

The range of underhead sealant systems from PRELOK® are permanently adhered to the component eliminating the need for secondary sealing devices.

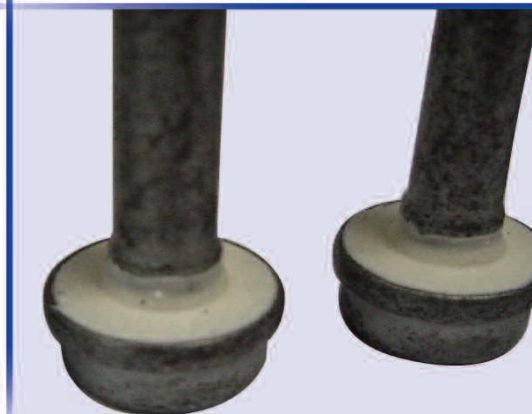
Our sealants can be applied to an extensive range of fastener types such as rivet nuts, break-stem rivets, headed plugs, and a wide range of threaded components.

We can apply our coating to ferrous or non ferrous materials (steel, aluminium, stainless steel or brass) and they will adhere to most popular plated finishes as well as polymer and organic coatings.

PRELOK® Engineers are available to assist in recommending the correct sealant solution for your application.

### Product Guide

Product	Colour	Operating Temp (°C)	Chemical resistance
Nyseal	Green	max 66°C	Good
Precote 200	Blue	max 100°C	Good
Precote 15	White	max 180°C	Excelent
Nyplas	Black	max 150°C	



# Pre-Applied Underhead Sealants



Precote 200® micro-encapsulated pre-applied underhead seal

## Precote 200®

Precote 200® pre-applied sealing coating is an ideal sealing system for rivets, inserts or headed plugs with good temperature resistance making this product ideal for automotive B.I.W. applications.

### Advantages

- Resilient flexible coating seals upon assembly**
- Ideal sealing system for rivets, inserts, headed plugs**
- Can be applied to most materials in both electro and organic finishes**



Fasteners require no special underhead feature

## Precote 15®

Precote 15 is a high temperature pre-applied sealant ideal for standard flanged parts.

### Advantages

- High temperature**
- High fastener load retention**
- Excellent chemical resistance**
- Flexible non-toxic seal**



Nyseal® Pre-applied Underhead Sealant

## Nyseal®

Nyseal® underhead sealant by PRELOK® is a pre-applied powder coating which is fused onto the bearing surfaces of customer components to create a highly durable and re-usable underhead sealant. Green-coloured Nyseal creates a gasket-type seal, preventing leakage of fluids and gases under pressures up to 500 psi and is particularly useful under the head of large threaded product.

### Advantages

- Resistant to chemicals like alcohol, petroleum, oil, kerosene, diesel fuel, and hydraulic fluids**
- Highly durable**
- Re-usable**



Nyplas® Pre-applied Underhead Sealant

## Nyplas®

Nyplas® underhead sealant is a plastisol (PVC) based material which is ideal under the head of a variety of fasteners to provide sealing against water, moisture, dust, air and noise dampening. The material is a flexible compound which compresses on assembly eliminating the use of secondary sealing devices.

### Advantages

- Provides a seal against water, moisture, dust, air and noise dampening**
- Excellent shelf life; will not shrink or dry out with age**
- Eliminates need for o-rings, gasket seals, and sealant compounds**

## Recommendations

### Hole Preparation

In all cases the male 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/H (metric) or class 2 a/B (unified).

### Finishes

Can be applied to most popular plated finishes, as well as polymer and organic coatings.

### Customer free issue components

Parts manufactured from non-ferrous material should be supplied free from any surface contaminants. Variations in material structure can effect heating capability of the part during processing, which may result in torque variation. High installation speeds can create galling of the threads affecting product performance.

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