

# PRE-APPLIED ADHESIVES

- *Thread Locking Solutions*
  - Reactive
  - Non-Reactive
- *Thread Sealing Solutions*
  - Non-Reactive

To Visit our Website



[www.metlok.in](http://www.metlok.in)



A must for Industrialists, Engineers, Architects, Developers, Professionals & Consultants.



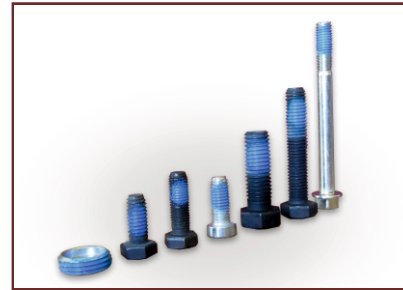
## PRE-APPLIED Thread Lockers

### Wide range of Locking

A Balanced product line, which fulfills all engineering requirements



**precote**  
ThreadCoating



**NYLOK**

	<b>precote Reactive</b>			<b>precote Non-reactive</b>	
Grade	precote <sup>®</sup> 30	precote <sup>®</sup> 80	precote <sup>®</sup> 85	precote <sup>®</sup> 10	precote <sup>®</sup> 10-1
Colour	YELLOW	RED	TURQUOISE	BLUE	GREY
Appearance	-	-	-	Dry, Tack free Solid	Dry, Tack free Viscous Solid
Coating	Acrylate + Peroxide	Acrylate + Peroxide	Epoxy - Acrylate + Peroxide	Smelted Polyamide Dispersion	Polyamide Dispersion
Strength	Medium	Very High	High	-	-
Temperature Range (°C)	- 60 To + 150	- 60 To + 170	- 60 To + 170	- 60 To + 130	- 60 To + 150
Thread Friction (μ)	0.1 - 0.15	> 0.25	0.1 - 0.15	0.16 - 0.20	0.18 - 0.23
Curing	Fast	Fast	Fast	-	-
Main Functions	Sealing+Locking	Sealing+Locking	Sealing+Locking	Clamping (Loss Locking)	Clamping (Loss Locking)

### NYLOK Thread Locking(Non-Reactive) Solutions

**NYLOK<sup>®</sup>** blue patch or **My-T-Patch<sup>®</sup>** is a self-locking element comprised of nylok permanently bonded onto the threads of a fastener. When the **NYLOK<sup>®</sup>** blue patch is engaged, it creates a wedge between the fastener and mating part compressing the nylok and creating metal to metal contact opposite the patch. This metal to metal contact results in a positive resistance to vibration and loosening. Since nylok has great memory characteristics, this locking element can be reused several times.

#### NYLOK Non-reactive

Grade	Colour	Coating	Appearance	Effect	Temperature Range	Thread Friction	Main Function
My-T-Patch <sup>®</sup>	Blue	Polyamide	Dry, tack free Solid	Only clamping high to very high	-56 to + 121°C	0.1 - 0.15	Clamping (Loss Locking)



## PRE-APPLIED Thread Sealants

**precote®**  
ThreadCoating

**NYLOK**

### What's precote® ?

precote® is a pre-coatable two-component adhesive for thread locking and sealing tasks. With the help of modern omniTECHNIK micro-encapsulation technology, droplets of a proven two-component acrylate system are surrounded by a thin polymer wall. By incorporating these micro-encapsulated individual components in a paint-like binder system, precote® coating products are produced. After application and drying of the liquid precote® results in a dry, grip-resistant and corrosion-inhibiting coating, which is firmly connected to the thread after application.

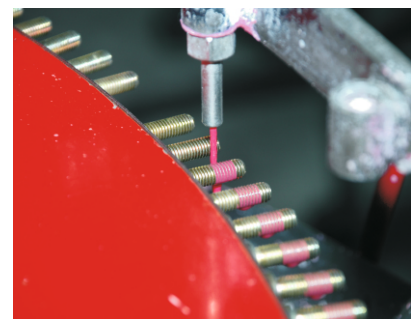
### How does precote® work?

When screwing the threaded parts coated with precote®, the micro-capsules contained in the precote® layer are destroyed by pressure and/or shear stress. The liquid components are released, mixed and cured in conjunction with the binder system. After curing, the threads are secured against vibration and reliably sealed. Micro-encapsulated, modified acrylates, in combination with the specific precote® binders, make it possible to meet the various requirements of practice in terms of strength, friction coefficient and temperature resistance.

### precote® (Non-Reactive) Solutions

For high Volume OEM applications like drain plugs. These are the non-reactive grades. The coating is dry, tack-free, with good adherence and can be used in all kind of assembly procedures.

Grade	precote® 5	precote® 9	precote® 15
Description	Coating for Sealing. / Controlled thread friction.	Clamp Coating and Sealing with high temperature resistance.	DVGM certified sealing for threaded joints
Colour	WHITE / BLUE	WHITE / REDDISH BROWN	WHITE
Chemical Type	ACRYLATE	ACRYLATE	ACRYLATE
Thread Friction (μ)	0.12 - 0.18	0.10 - 0.15	0.10 - 0.15
Temperature Range (°C)	- 60 To + 160	- 60 To + 160	- 60 To + 160
Main Functions	SEALING	SEALING	SEALING
Shelf Life (Year)	4	4	4





**NAGPUR** - UNIT I : W-27, MIDC Industrial Area, Kalmeshwar, Dist. Nagpur - 441 501, Maharashtra, INDIA.

UNIT II : S No. 362/A/3, Katol Bypass Road, Village - Ghorad, Kalmeshwar, Dist. Nagpur - 441501, Maharashtra, INDIA.

+91-7118 - 271543 / 271170 / 272468 +91-7118 - 272470

**BENGALURU** - Plot No. 265-A, Road No. 6, Rajapura Village, Jigani Link Road, KIADB Industrial Area, Bommasandra, Bangalore - 560105, Karnataka, INDIA.

+91-81104-16511 +91-81104-16595

**SALES OFFICE** - Aurangabad | Bengaluru | Chennai | Faridabad | Madurai | Manesar | Mumbai | Nagpur | Nashik | Pithampur | Pune | Rohtak | Rudrapur

**For Enquiries, Email: [sales@metlok.in](mailto:sales@metlok.in)**

[www.metlok.in](http://www.metlok.in)

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