

# CHEMICAL ADHESIVE FOR THREAD LOCKING AND SEALING

## PRECOTE® 80

### High Strength / Heat Resistant Thread Locker

PRECOTE® 80 are varnish-like, solvent free coating systems based on micro-encapsulated acrylates for sealing and locking of threaded parts. The dried film is tack-free, non sticky and can be used in all kind of assembly procedures. Its characteristics as a locking and sealing element become effective only when the capsules are ruptured by shear and pressure stress and the adhesive is allowed to cure.



#### Technical Data — PRECOTE® 80

- Color— pink (special colors available upon request)
- Thread Friction Value > 0.25
- Curing Time (RT) 8 hours (an additive of “-3” will reduce to 2 hours)
- Temperature Range: -60°C (-76°F) to +170°C (+338°F)
- Shelf-Life 4 years at room temperature
- For small thread crest (less than 1 mm an additive of “-8” can be added to increased performance)

#### Typical Performance Results (M10 plain finish)

- Prevailing-On Torque 1.0 – 1.8 Nm
- Breakaway Torque (without preload BAT) min. 20.0 – 30.0 Nm
- Prevailing-Off Torque min. 4.0 – 8.0 Nm

#### Advantages

- Fixtures in about 10 minutes and full cures in 8 hours
- High – torque performance
- Environmental resistance to heat, automotive fluids, thermal and mechanical shock and vibrations
- Bonds to a broad range of fastener finishes
- Penetrates oil coatings
- Longest shelf - life in the industry
- Complies or exceeds IFI, DIN and major OEM specifications
- Seals against pressures up to 400 bar (5760psi)

(continued)

PRECOTE® 80 is a trademark of Omnitechnik, Mikroverkapselungs GmbH

## INNOVATION™

Every fastening task comes with its own set of challenges – locking, sealing, high temperatures, thread contamination or any combination of these. When these challenges slow product development of the design process, Nylok engineers provide INNOVATION™ services – the knowledge and resources to uncover solutions that balance cost, manufacturability and environmental concerns.

As a supply chain partner, Nylok products serve a global network of customers in a diverse range of industries – automotive, aerospace/defense, heavy machinery/truck, electronics, weaponry and specialty applications. Nylok solves fastener problems from NASA applications to the small home appliance industry, processing more than 10 billion parts per year – the global leader in fastener processing.





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### Advantages (continued)

- Parts are ready for assembly
- Precise thread coverage in every part
- Can be applied on external and internal threaded fasteners
- Is not affected by high humidity conditions
- Dry-to-touch and tack free with good adherence

COMPANY NAME	SPECIFICATIONS
Audi	DIN 267 Part 27
Bendix	BW - 291 P
BL BLS	22.FP01
BMW	DIN 267 Part 27
Bosch	N38A SR9.3 and N38A SR9.5
British Leyland	BLS 22. FP.01
DIN	DIN 267 Part 27
FCA	MS-CC76 A+C
FPW.80104	MCS7 PF-6616 Fiat
Ford	ES 20007- S 100 WX 200 WSS M11 P45-A1
GM / Opel	GME 00151 and GM 6124M GM 6175 M GM 6193 M GM 6194 M
IFI	IFI 125 IFI 525
KHD	H 2812
Magneti Marelli	CQ N° 137
MIL - S - 46163	
PSA (Peugeot, Citroen, Talbot)	B14 1235
Renault	39.02.010
Rockwell International	Q - 52
Rover	RES. 22.FP.01
Saab Scania	STD - 1627 (1508446 SB)
Volvo	STD 416 - 0001 material number 391285
VW	DIN 267 Part 27 601 05



### Global Headquarters Research & Development Processing Facility

15260 Hallmark Court  
Macomb, MI 48042-4007  
**586.786.0100**  
sales@nylok.com  
nylok.com

### Processing Facilities

**California**  
Anaheim, CA 92801-6738  
**714.635.3993 | 888.226.9565**  
ISO 9001:2015  
QPL 18240  
QSLM Approved  
aerospacenylok.com

**Illinois**  
Lincolnwood, IL 60712-3985  
**847.674.9680 | 800.446.5956**  
ISO 9001:2015  
QPL 18240  
nylok.com

**New Jersey**  
Hawthorne, NJ 07506-0651  
**973.427.8555 | 800.276.9565**  
ISO 9001:2015  
QPL 18240  
aerospacenylok.com

**Mexico**  
Apodaca, NL, Mexico 66645  
**+52 (81) 4162 4990**  
ISO 9001:2015  
nylok.com



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