

# CHEMICAL ADHESIVE FOR THREAD LOCKING AND SEALING

## PRECOTE® 30 Medium Strength Thread Locker

PRECOTE® 30 varnish-like, solvent free coating systems based on microencapsulated 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, particularly for series production. 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® 30

- Color — yellow (special colors available upon request)
- Thread Friction Value > 0.10 – 0.15
- Curing Time (RT) 8 hours (an additive of “-3” will reduce to 2 hours)
- Temperature Range: 60°C (-76°F) to +150°C (+302°F)
- Shelf-Life 4 years at room temperature
- For small thread crest (less than 1 mm an additive of “-8” can be added to increase performance)

### Typical Performance Results (M10 plain finish)

- Prevailing-On Torque 0.5 – 0.9 Nm
- Breakaway Torque (without preload BAT) min. 10.0 – 15.0 Nm
- Prevailing-Off Torque min. 2.0 – 4.0 Nm

### Advantages

- Environmental resistance to heat, automotive fluids, thermal and mechanical shock and vibrations
- Bonds to a broad range of fastener finishes
- Penetrates oil coatings
- Complies with or exceeds major OEM specifications
- Seals against pressures up to 250 bar (3600psi)
- Parts are ready for assembly  
**(continued)**

PRECOTE® 30 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.





# PRECOTE<sup>®</sup> 30

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### Advantages (continued)

- 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
Ford	WX201
Military	MIL - DTL - 18240F NASM25027
NASA	SP - R - 0022A
Caterpillar	IE2486A
IFI	IFI - 125 IFI - 156 IFI - 160 IFI - 525
BMW	DIN 267 Part 27
Bobcat	MS119
Burman & Sons	QC/1007
Land Rover	RES.22.FP.01
National NBC	A 2958
Perkins Diesel	PMS 11.02
VW	601 05



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