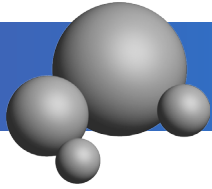


ND MICROSPHERES® TA

Locking & Sealing



DESCRIPTION:

ND Microspheres TA Series are microencapsulated, room temperature curing threadlocking products that can be applied to male or female threaded fasteners of most sizes and finishes.

ND Microspheres TA Series remain inert until the coated fastener is assembled to its mating part. The forces of engagement crush the microscopic capsules and release the activator that creates a strong chemical bond between the parts.

Within minutes of assembly, ND Microspheres TA Series forms a substantial bond between the mating surfaces. Curing continues normally for up to 24 hours.

FEATURES:

Low Prevailing On Torque: Assembles easily with common hand tools.

Fast Fixture Time: Under typical conditions, fixture is achieved within 5 minutes.

Versatile: ND Microspheres TA Series are compatible with most sizes, configurations, materials and finishes.

Long Shelf Life: Once applied and stored in a cool, dry environment, ND Microspheres TA Series remains inert until a cure is activated by engagement with a mating part.

Unaffected By Foreign Substances: Oil, gasoline, salt spray, acids, solvents, and water have virtually no effect on ND Microspheres TA Series after a final cure is achieved.

Saves Money: ND Microspheres TA Series brand ND-applied threadlocker is less expensive than applying bottled threadlocking compounds at the point of assembly.



FEATURES CONTINUED:

Three Specifically Designed Formulas: ND Microspheres TA Series offers three formulas that address differing needs.
TA300 for low strength applications
TA800 for High Strength / High Temp
TA850 for High Strength / High Temp with minimal torque tension deviation.

Competes with Precote®

ND Microspheres TA meets or exceeds the performance requirements of the following specifications and/or standards:

AUTOMOTIVE:

- Ford: ESS-M11P24-A2
- General Motors: GM6124M, GM6175M, GM6194M, GMW 14657A, GMW 14657C, GME00151

INDUSTRIAL FASTENER INSTITUTE:

- IFI: IFI 125, IFI 525
- DIN: DIN 267

OEM:

- Delphi: DX520402

For a complete list contact ND Industries.

SPECIFICATIONS:

As Applied to Fasteners			
Formula	TA300	TA800	TA850
Color*	Yellow	Red	Turquoise
Primary Usage	Low Strength	High Strength	High Strength Torque Tension Control
Average on Torque (in lbs.)	<10	<10	<10
Breakaway Torque after 24 hr. cure @ R.T. (in lbs.)*			
Dry Phosphate	130	200	175
Plain Steel	130	210	195
Typical Lead Threads	1 to 3	1 to 3	1 to 3
Typical Coating Length	1.5 x Dia	1.5 x Dia	1.5 x Dia
Temperature Range			
°F	-58/300	-58/392	-58/392
°C	-50/150	-50/200	-50/200
Average Thread Friction K-Value	0.14	0.26	0.18
Fixture Time	5 Min.	5 Min.	5 Min.
On-Part Life	4 Years	4 Years	4 Years
Competes With	Precote® 30	Precote® 80	Precote® 85
Full Cure Time @ R.T.	24 hrs.	24 hrs.	24 hrs.

Liquid State (Before Application)			
Formula	TA300	TA800	TA850
Base Resin	Acrylate	Acrylate	Acrylate
Base Solvent	Toluene	Toluene	Toluene
Brookfield Viscosity (cPs) Spindle @ 20 RPM	Approx 1,000	Approx 1,000	Approx 1,000
Flashpoint TCC	40.0 °F	40.0 °F	40.0 °F
Shelf Life	3 Months Min.	3 Months Min.	3 Months Min.

* Other colors available on request
 ** Dry Zinc Phosphate

ND Microspheres TA is a product of ND Industries, Inc., U.S.A.



Distributed in Canada by _____

WESTsales@
 115-1440 Aviation Park NE
 Calgary, AB
 T2E 7E2
 403-291-3516



CENTRALSales@
 2-205 Industrial Pky N
 Aurora, ON
 L4G 4C4
 905-889-9100

EASTsales@
 492 Avenue Lépine
 Dorval, QC
 H9P 2V6
 514-556-3064

USAsales@
 2775 Broadway Ave
 Buffalo, NY
 14227
 905-889-9100

800-560-9813

irwin-ind.com

800-263-3562