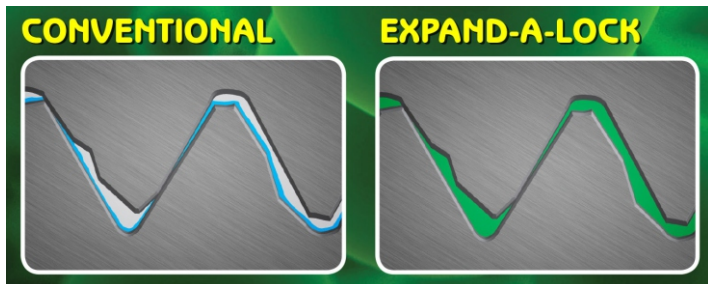


锁定和密封

Expand-A-Lock是一个独特的预涂及微胶囊会膨胀的锁定和密封剂。Expand-A-Lock会增加20到50%的体积,会渗入紧固件螺纹之间隙是一般螺牙锁定剂无法达到的效果。



预涂紧固件和表面干燥, Expand-A-Lock包含环氧树脂和膨胀剂的微胶囊悬浮在硬化剂中。当涂布Expand-A-Lock的紧固件和对锁件组装时Expand-A-Lock开始反应。组装的力量粉碎微胶囊, 环氧树脂、膨胀剂和硬化剂开始混合而启动一个化学反应。反应发生,材料的扩张,填补紧固件螺纹间隙,在几分钟内建一个固定物。完全固化在24小时内完成。

应用:

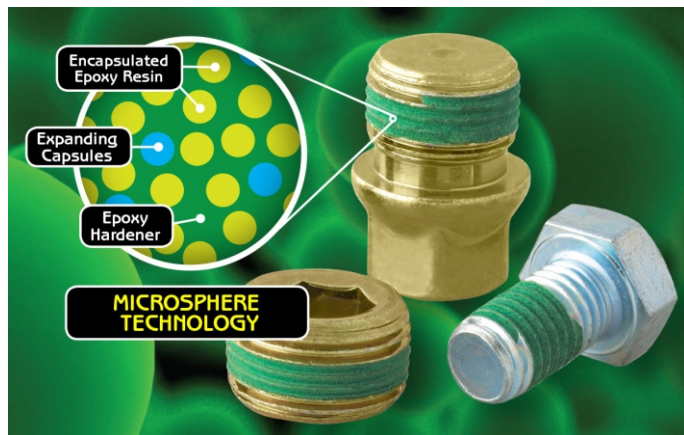
使用Expand-A-Lock密封特别应用在因冲击, 振动和流体压力导致紧固件松动或接头泄漏。典型应用包括引擎管塞, 空气接头、压缩机配件、冷却连接器和更多。

特点:

低的转矩: Expand-A-Lock可用常见的手动工具轻易组装。

长保质期: 涂布Expand-A-Lock的部件不会反应直到锁入相应的对锁件。

不受外来物质影响: 完全固化的Expand-A-Lock不受石油、汽油、盐雾、酸、溶剂、水、和空气的影响。Expand-A-Lock交错的分子结构使它成为紧固件胶粘剂中最耐外来物质的首选。



规格满足:

AUTOMOTIVE:

- General Motors: GM9986339

INDUSTRIAL:

- IFI: IFI 125, IFI 525
- DIN: DIN 267 Part 27

规格:

Performance of Cured Material - After 24 hour cure at 72° F (23° C)

Testing Material	Typical Breakaway Torque
M10 zinc phosphate plus oil bolt aluminum test plate	27 Nm (239 in. lb.)
M10 Zinc Plated bolt aluminum test plate	25 Nm (221 in. lb.)
M10 Zinc Dichromate bolt aluminum nut	25 Nm (221 in. lb.)

Seal Test on Fluid Resistance*

Engine Oil @+300° F (+150° C)	Pass
Brake Fluid @+300° F (+150° C)	Pass
ATF @ +300° F (+150° C)	Pass
50/50 water/ethylene glycol @+248° F (+120° C)	Pass
Gasoline @+77° F (+25° C)	Pass
Diesel Fuel @+77° F (+25° C)	Pass

As Applied Properties

Color	Normally Green (other colors available)
Base	Synthetic Resin
Primary Usage	Heavy Duty Seal
Reusability	No
Breakaway Torque	Exceeds IFI 125 & IFI 525
Pressure Resistance	In Excess of 115 PSI (793 kPa)
Temperature Range	-65° F to 300° F (-54° C to 150° C)
Fixture Time	10-15 Minutes at 72° F (22° C)
Full Cure Time	24 Hours at 72° F (22° C)
Shelf Life	1 Year Under Recommended Storage Conditions

* Coated parts assembled into aluminum block and submersed in test fluid and heated for 30 days then tested at temperature for sealing and tested for breakaway torque when cooled. Assembled parts tested at 793 kPa (115 PSI).



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