

## Threadlockers - for dummies like me

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# **THREADLOCKERS - FOR DUMMIES LIKE ME**

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So, who knew? I knew I should use threadlocker on nuts, bolts, and screws that might be subject to vibration that could loosen the fasteners, but I wasn't aware of the variety of products that are available. All locking products are the same, just different colors, aren't they? No, it turns out they are not and you should be careful about where and when you use them.

Two major producers are Permatex and Loctite and each offers a wide range of useful industrial chemicals including various threadlockers. Pertaining to these two manufactures the color codes have some standardization for those products we are likely to use as modelers. We usually need something to hold threads that is added just before assembly and that cures over a period of time usually about 10-15 minutes.

Permatex offers EIGHT different threadlockers! Green is for locking things AFTER assembly like carburetor screws and even sealing small cracks. This stuff is for assemblies that are not expected to be disassembled.

Permatex Red comes as high strength, permanent, high temp., and larger diameter. We might have use for the high strength #27140 good up to 300 F., or the high temp. #27200 which is good up to 450 F.

Loctite Red requires heating parts to 500 F for disassembly and is good from -65 to +300 F operations.

Permatex Blue comes in two 'flavors', #24027 listed as surface insensitive and is for general use in a temperature range of -65 F to 300 F. The medium strength #24240 locker also has a temperature range of -65 F to 300 F.

Loctite #242 Blue is intended for use where disassembly with normal hand tools is desirable. Temperature range is -65 F to 300 F. Probably the most useful product for the modelers toolbox.

If you feel you must have a threadlocker, but want an easier disassembly, Permatex offers Purple #22200.

Somewhere I read that "Ignorance is bliss, but knowledge is power". What do you think?  
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