

PRODUCT DESCRIPTION

IMG® Hi-Strength Threadlocker Red is a single component, anaerobic liquid which cures when confined in the absence of air between close fitting metal surfaces. IMG® Hi-Strength Threadlocker Red is a high strength anaerobic threadlocking material that cures between engaged threads to form a unitized assembly that resists virtually all leakage, shock and vibration. Ideal for all 1/4 inch to 3/4 inch diameter nut and bolt assemblies where future disassembly is improbable. Provides a positive seal that resists most fluids. Prevents nuts, bolts and other fasteners from loosening due to vibration. Works in temperatures from -65°F to 302°F. Fixture tight in minutes. Protects against thread corrosion.

Typical Applications

- Shock absorber bolts
- Frame bolts
- Cylinder block
- Rocker arm studs
- Ring gear bolts
- Fan hub bolts

FEATURES

- Eliminates vibration issues
- Cures without cracking or shrinking
- Prevents rusting of threads
- Seals against leakage
- No mixing
- No curing outside of joint

DIRECTIONS FOR USE

Surfaces to be bonded should be clean and dry and free of grease.

Product should be applied in enough quantity to fill all engaged threads. The product performs best in thin bond gaps. Very large gaps may create gaps, which will affect the cure speed and overall strength. Good contact is essential. An adequate bond develops in 15 to 45 minutes and maximum strength is attained in 24 hours.

This product is not recommended for use in pure oxygen environments and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

This product is not designed for plastics, particularly thermoplastics where stress cracking of the plastic could result. It is recommended to confirm compatibility of the product with all substrates prior to use.

COLOR

Red

GENERAL INFORMATION

SETTING TIME (68°F, 65% R.H.)

Substrate	Set time/Full cure
Steel	15 min/24 hrs
Brass	30 min/24 hrs
Zn Dichromate	25 min/24 hrs
Stainless Steel	35 min/24 hrs

PERFORMANCE OF CURED MATERIALS

Bond strength after 24 hours at 68°C to 77°C on steel nuts and bolts

	Average Value	Range
Breakaway Torque	125 in. lbs.	100-150 in. lbs.
Prevailing Torque	70 in. lbs.	35-100 in. lbs.

SHIPPING INFORMATION

Barcode	Packaging	Net Volume
817830010877	Carded Tube	0.2 fl.oz
Net Weight	Per Case	Case Weight
	12	0.6 lbs
Case Length	Case Width	Case Height
8.5"	3.5"	5.5"
Cases/Pallet*	Pallet Height*	Pallet Weight*

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), IMG® Hi-Strength Threadlocker Red has a shelf life of 12 months from date of shipment.

NOTE

The contents of this document, including all data and descriptions, are provided strictly for informational purposes. While the information contained herein is believed to be reliable, IMG Chemicals Corporation cannot assume responsibility for variations and/or nonconforming results obtained or observed by other parties whose product use, environment, and methods are outside of our control.

IMG CHEMICALS CORPORATION DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE THAT MAY ARISE FROM THE USE OF IMG PRODUCTS. IMG CHEMICALS CORPORATION SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY FOR INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS.

