

	VITAL TECHNICAL SDN. BHD.	 	Issued Date: 10/03/09
	Tecnical Data Sheet		Revision No.: 3
	VT-871 Threadlocker (High Strength-Red)		Revised Date: 26/03/13
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Product Specification:

Uncured Properties

Main Component	Dimethacrylate Ester
Appearance	Opaque Red, Fluorescent Liquid
Specific Gravity	1.10
Viscosity, S1 @10rpm	400-600 cps
Flash Point	>90°C
Shelf Life (20°C)	12 months

Cured Properties

Strength on M10 Steel Bolts & Nuts @22°C (0.05mm) 12 hrs	
Breakaway Torque	16-36 N.m
Prevail Torque	22-35 N.m



Product Description:

VT-871 is a red color, all purpose, permanent high strength threadlocker formulated for locking and sealing of threaded fasteners which require normal disassembly with standard hand tools. It cures when confined in the absence of air between close fitting metal surfaces. It locks bolts and nuts up to 25mm diameter, preventing loosening due to vibration, and sealing against leakage and corrosion. It is designed to withstand heavy shock, vibration, or extreme chemical or environment conditions.

Applications:

It eliminates double nutting and or welding of critical assemblies. Ideal for applications that will not require periodic disassembly. It is suitable for assembly with air tools, cylinder block bolts, ring gear bolts, transmission shaft bolts, pump and motor.

Directions:

1. The surface should be free from oil, dirt, rust, and other contaminants.
2. Shake the product thoroughly before use.
3. For Through Hole Assembly, apply several drops of the product onto the bolt and the nut at the nut engagement area.
4. For Blind Hole Assembly, apply the product into the bottom of the hole. Installation of the fastener will displace the air and force the adhesive upward into the threads.
5. For Sealing Applications, apply a 360° bead to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids.
6. For Disassembly, remove with standard hand tools, and apply localised heat to the nut or bolt to approximately 250°C and disassemble while hot.

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Caution:

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

Anaerobic products contain methacrylate ester with low toxicity and odour, hence should not be in direct contact with food. It may be eye and skin irritant. In case of eye contact, flush with water and seek medical attention. Keep out of reach of children.

Storage:

Best to store in a cool and dry location with containers being sealed. Ideal storage temperature should be between 8°C – 28°C. Do not return any used materials to its original container to prevent contamination.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of various processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

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