

	VITAL TECHNICAL SDN. BHD.	  	Issued Date: 10/03/09
	Tecnical Data Sheet		Revision No.: 4
	VT-843 Threadlocker (Medium Strength-Blue)		Revised Date: 03/12/13
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Product Specification:

Uncured Properties

Main Component	Dimethacrylate
Appearance	Blue Liquid
Specific Gravity	1.05
Viscosity	2500 cps
Flash Point	>93°C
Cure Speed (Fixture/Full)	10 mins./24 hrs.
Gap-Filling Ability	0.13 mm
Shelf Life (20°C)	12 months

Cured Properties

Operating Temperature Range	-60 to 150°C
Breakaway Torque	5.0 N.m
Prevail Torque	8.0 N.m
Solvent Resistance	Good



Product Description:

A blue color, all purpose, medium 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 20mm diameter, preventing loosening due to vibration, and sealing against leakage and corrosion. It can work on lightly oiled surface and is chemical resistant, resisting fuels, lubricants and most industrial liquid and gases.

Applications:

Replace lock washers and plastic insert. Lock machine tool access bolts, nuts and hydraulic system bolts. Use on gear box bolts / driveshaft, bearing cover cap screws, counter sunk screws, conveyor roller bolts. It is also ideal for bolts on valve and cam covers, oil pans, disc brake calipers, intakes, alternators and pulley assemblies.

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, or apply localized 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 odor, hence should not in direct contact with food. It may cause eyes and skin irritant. In case of eyes contact, flush with water and seek medical attention.

Storage:

Best to store in a cool and dry location with containers being sealed. Ideal storage temperature should be in 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 of 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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