

	VITAL TECHNICAL SDN. BHD.	 
	Technical Data Sheet	
	VT-871 Threadlocker (High Strength – Red)	

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VT-871 Threadlocker (High Strength – Red)

MAIN COMPONENT

Dimethacrylate ester

APPEARANCE

Opaque red, fluorescent liquid

COLOR

Red

PACKAGING

6 ml / card
(144 cards / carton)

50 ml / bottle
(144 bottles / carton)

SHELF LIFE

12 months

STORAGE

Store in a dry and cool place with temperature around 25°C

SERVICE TEMPERATURE

-60 °C – 150 °C

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.

TECHNICAL DATA

Specific gravity : 1.10
 Viscosity, S1 @ 10 rpm : 400 – 600 cPs
 Flash point : > 90 °C

Cured properties

Strength on M10 Steel Bolts & Nuts @ 22 °C (0.05mm) 12 hours
 Breakaway torque : 16 – 36 N.m
 Prevail torque : 22 – 35 N.m

FEATURES

- Prevent loosening due to vibration
- Permanent high strength
- Locks bolts and nuts up to 25 mm diameter
- Designed to withstand heavy shock, vibration, extreme chemical or environment conditions

APPLICATION

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.

APPLICATION DIRECTION

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.

CAUTION

Combustible liquid. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Toxic to aquatic life. May cause long lasting harmful effects to aquatic life. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read carefully and follow all instructions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands after handling the products. For further health and safety information, consult the latest safety data sheet.

LEGAL NOTES

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 variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.