



**Tough Technology Products**  
Eaton Place Business Centre, 114 Washway Road, Sale  
Cheshire, M33 7RF, England  
Tel: 0088 772 0996

**TTP**  
Leading Edge Technology



# T-Lock 1

## TTP Thread Lock TLK2001

**Super fast setting 1 -3 mins mins**  
**Permanent locking**  
**Gap filling up to 0.5mm**  
**Thread locking Temperature range -55c to + 150c**

### Cure speed & Substrate

Cure speed and strength vary according to the substrates. When used on mild steel and brass components anaerobic adhesives will reach full strength more rapidly than more inert materials such as stainless steel and zinc dichromate. Anaerobic adhesives only cure in the absence of air and with metal part activation.

### Cure Speed & Bond Gap

The size of the bond gap greatly affects the speed of cure of anaerobic adhesives. The larger the gap between surfaces, the slower the cure speed. Maximum recommended gap for T-Lock1 is 0.5mm, which will give approximately the cure schedule as detailed in the properties table.

### Cure Speed & Temperature

All figures relating to cure speed are tested at 21°C. Lower temperatures will result in slower cure. Heating the assembled parts accelerates the curing process.

#### Curing Performance

Typical curing speed as % of final strength

15 mins ~10% strength  
45 mins ~50% strength  
24 hour 100% strength

### Typical Enviromental Resistance

#### Hot Strength

T-Lock1 is suitable for use at temperatures up to 150°C. At 130°C the bond strength will be ~50% of the strength at 21°C.

#### Heat Ageing

T-Lock1 retains ~90% full strength when heated to 100°C for 90 days then cooled and tested at 21°C.

### Chemical / Solvent Resistance

TTP anaerobics exhibit excellent chemical resistance to most oils and solvents including motor oil, leaded petrol, brake fluid, acetone, ethanol, propanol and water. Anaerobic adhesives and sealants are not recommended for use in pure oxygen or chlorine lines.



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### Storage

Store in a cool area out of direct sunlight. Refrigeration to 5° C gives optimum storage stability.

### Presentation

Bottles: ... . . . . . 50MI

### Disclaimer

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