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TECHNICAL DATA SHEET 2701–50

Product Description

Low viscosity, high strength, cures fast and reliably on most metal surfaces. Fit for parts that do not require disassembly. Seal threads against industrial fluids.

Typical Applications

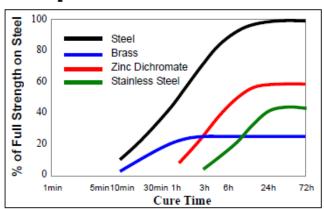
Designed for the permanent locking and sealing of threaded fasteners. Typical applications include the locking and sealing of large bolts and studs (M25 and larger).

Uncured Properties

Base Resin	:	Dimethacrylate Ester
Color	:	Green
Viscosity (cps @22°C)	:	500
Cure Speed (Fixture/Full, min./hrs. @22°C)	:	10 / 24
Gap Fill (mm)	:	0.13
Specific Gravity 025°C	:	1.1
Flash Point (°C)	:	>93

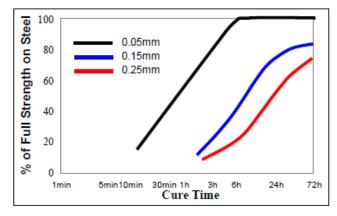
Cured Properties

Operating Temperature Range	: - 60 to 150
Locking Strength (Break / Prevail N.m @22°C)	: 26 / 32
Solvent Resistance	: Good
Test Standard	: JB / T7311 - 2001



Cure Speed VS. Substrate

Cure Speed VS. Bond Gap



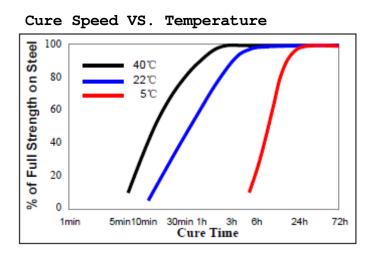
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** All the information is provided on the basic in good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due that the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.



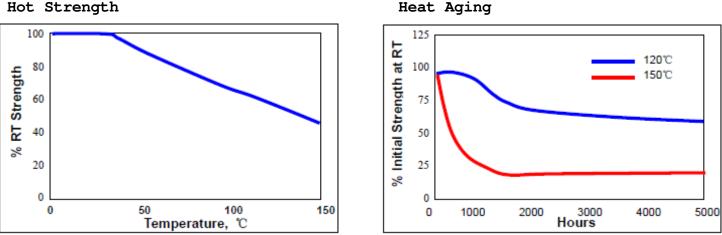
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Typical Environmental Resistance

Hot Strength



Chemical / Solvent Resistance

Aged under condition indicated and tested at 22°C

Solvent	Temperature (°C)	% Initial Strength retained after			
SOLVEIL	remperature (C)	100hr	500hr	1000hr	
Motor Oil	125	85	85	75	
Leaded Petrol	22	100	100	100	
Brake Fluid	22	100	100	100	
Water / Glycol (50% / 50%)	87	100	85	85	
Ethanol	22	95	95	95	
Acetone	22	95	95	95	

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速能化工貿易有限公司

ULTRA ENERGY ADHESIVE TRADING CO. LTD.

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Application Method

:	Proper application requires filling male, female, or both
	threads with adhesive. A minimum of 3 threads is suggested.
:	Adhesive should be applied into the bottom of the hole.
	Installation of fastener will displace the air and force
	the adhesive upward into the threads.
:	Assemble and tighten as required.
:	heat the nut or bolts to 260° and disassemble while hot.
	:

Storage and Shelf Life

Store in a cool, dry location at a temperature between 10° to 25° for a maximum shelf life of 1 year. Do not return unused material to container, as it would result in contamination and/or premature hardening of contents.

CAUTION

Anaerobic products such as 2701-50 should NOT be used in pure oxygen and/or oxygen rich systems and in direct contact with food and should NOT be selected as a sealant for chlorine or other strong oxidizing materials. One 50ml bottle can lock over 500 bolts of M12 if used as directed. Thread lockers have a methacrylate ester base with low toxicity and odor. They contain no solvents or aggressive acidic adhesive agents. However, thread lockers are an eye irritant and may also irritate Skin. Therefore, skin should be washed after contact with these products. In case of eye contact, flush with water and seek medical attention. Keep out of the reach of children.

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