

速能化工貿易有限 公 ULTRA ENERGY ADHESIVE TRADING CO. LTD.

香港九龍灣常悅道 20 號環球工商大廈 10 樓 9 室 Room 9, 10/F. International Plaza, 20 Sheung Yuet Road, Kowloon Bay, H.K. Tel : 852-2751 8880 Fax : 852-2795 1625 Web Site : www.uea.com.hk E-mail : info@uea.com.hk

# TECHNICAL DATA SHEET

# **FV100**

Description	ULTRABOND FV100 is a medium viscosity medium setting velocity ethyl cyanoacrylate adhesive.			
Application	Ideal for bonding plastics, rubber, metal.			
Full Cure Speed	Plastic	:	2 – 30 seconds	
	Rubber	:	2 – 30 seconds	
	Metal	:	2 – 30 seconds	
	Wood	:	2 – 30 seconds	
	(22°C, 50% relative humidity ASTM D1002, 0.1N/mm <sup>2</sup> tensile shear			
	strength)			
General Properties				

## General Properties

Uncured monomer			
Main Component	Ethyl Cyanoacrylate		
Appearance	Clear Liquid		
Specific gravity, 20°C	1.06		
Viscosity 25°C (CPS)	85 - 130		
Brookfield LV	89 - 190		
Spindle S31 @ 100 rpm	>80°C		
Flash point	200 C		
Shelf life (8°C & 50% relative humidity) month	6		
(Stored in cool & dry place, unopened bottle & out of direct sunlight)			

Cured Adhesive			
Gap Filling			

0.15 mm

CA-FV100-E - 1 -

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<sup>\*\*</sup> 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, 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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Tensile Strength	10 ~ 20 N/mm²
steel – steel ASTM D-2095	10~2014/11111-
Tensile shear Strength	10 ~ 20 N/mm²
steel/steel ASTM D-1002	10~2010/11111-
Service Temperature Range	- 55 ~ 82°C
Full cure time	24 hours

### **Safety Direction**

Danger, irritant

Avoid contact with eyes and skin, bonds skin in seconds. In case of eye contact, flush with plenty water for over 15 minutes and call a physician immediately. Use in well-ventilated place. Avoid contact clothing; it can cause very strong heat.

## **Application Direction**

- The surfaces to be bonded should be clean and free of grease completely.
- ULTRABOND CD-1 debonder or acetone can treat excess Adhesive.
- If setting time is too long due to large gaps or low relative humidity. ULTRABOND CS-1 Setter can be used.
- If the porosity of surface is higher, higher viscosity type should be better.
- Difficult to bond plastics, like PE, PP, Silicone Rubber, ABS, TPR, EPDM' s Adhesion, ULTRABOND CP-1 Primer should be applied firstly, then applied ULTRABOND super glue.

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