速 能 化 工 貿 易 有 限 公 司
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/mm² tensile shear strength)

General Properties

Uncured monomer

Main Component	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Specific gravity, 20°C	1.06
Viscosity 25°C (CPS) Brookfield LV Spindle S31 @ 100 rpm	85 - 130
Flash point	>80°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

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Tensile Strength steel – steel ASTM D-2095	10 ~ 20 N/mm²
Tensile shear Strength steel/steel ASTM D-1002	10 ~ 20 N/mm²
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.