FASTCURE CA 2400

Description:

Fastcure CA 2400 is a normal type Cyanoacrylate adhesive with fast setting, high flow ability and good penetration characteristics. It has been specially formulated to achieve the strongest possible bond between well-mated, non-porous surfaces, such as rubber, metals, plastics, glass, etc. CA 2400 is a one component, solvent free system and does not require the use of a catalyst, heat or clamps. When a thin layer of CA 2400 applied between two surfaces comes into contact with atmospheric moisture, a rapid polymerisation occurs producing the ultimate bond.

Physical Properties:

Liquid State		Cures State	
Colour	Clear	Colour	Clear
Specific Gravity (20°)	1.053~1.060	Specific Gravity (20°C)	1.1~1.3
Refraction Index (nD20)	1.439	Refractive Index (nD20)	1.490
Flash Point (°C)	>80°C	Working Temp (°C)	-55°C - 80°C
Shelf Life	12 Months	Dielectric Constant (at 10MHz)	3.5
Boiling Point (°C)	149°C	Dielectric Loss (at 10MHz)	0.067
Viscosity (cP)	3-5	Soluble in Acetone, Dimethyl formamide, Nitromethane, Dimethyl sulfoxide	
Base	Ethyl Cyanoacrylate		

Bond Strength:

(TENSILE STRENGTH, CURED FOR 24 HOURS AT 20-25°)

Substrate	KG/CM²	Substrate	KG/CM²
Rigid PVC to Rigid PVC	40-60	SBR to SBR	5-10
ABS to ABS	50-70	Steel to Steel	190-210
Polycarbonate to Polycarbonate	80-120	Stainless Steel to Stainless Steel	160-180
Polystyrene to Polystyrene	30-45	Aluminum to Aluminum	170-190
Natural Rubber to Natural Rubber	5-9	Copper to Copper	150-170
Neoprene to Neoprene	5-9	Steel to Rigid PVC	50-60
NBR to NBR	5-9	Stainless to Neoprene	5-10
ABS to SBR	5-10		

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Cure Speed:

Substrate	Seconds	Substrate	Seconds
ABS to ABS	4-5	NBR to NBR	3-5
Wood to Wood	50-60	Stainless steel to Stainless steel	3-5
ABS to Stainless steel	5-10	ABS to NBR	3-5
NBR to Stainless steel	3-5	Wood to ABS	5-10

Directions For Use:

1. Make sure the surfaces to be bonded are clean and dry (preferable to solvent-wipe plastics, glass, rubber and to acid-treat metals).
2. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film after compression.
3. Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less than one minute. (Maximum strength is achieved in 24 to 48 hours).
4. Wipe off excess adhesive from the top of the container and recap CA 2400 if left uncapped, may deteriorate by contamination from moisture in the air.
5. Because CA 2400 polymerises on contact with moisture surfaces, sometimes whitening will occur on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with debonder.

Handling & Storage

Storage**:** Keep products in the unopened container in a cool dry location. The product is best when stored at 2 to 8°C. temperatures less than 2°C can adversely affect product properties. Do not freeze. Keep container tightly closed until ready for use.
Handling**:** Material removed from containers may be contaminated during use. Do not pour back any product to the original Container. Misuse of product will void all warranties.

Precaution

1. Use with proper ventilation. Avoid contact with skin and eyes.
2. If contact with skin occurs, rinse with warm water or dissolve with appropriate debonder. Do not try to remove forcibly.
3. If adhesive gets into your eye, keep eye open and rinse thoroughly. Seek medical attention immediately.
4. Keep well out of reach of children.
5. Keep adhesive in a cool dry place 20-25°C. For long term storage, refrigeration (5°C) is recommended.