Fastfix-it Enterprise Co., Ltd.
No. 47-1, Lane 199, Rexin Road, Renwu District,
Kaohsiung City 81460, TAIWAN
Tel: 886-7-3756058 Fax: 886-7-3756091

TECHNICAL DATA

Product Name: Flexible electronic epoxy potting adhesive
Product Code: FX-PT30
Manufacturer: Fastfix-it Enterprise Co., Ltd.
No. 47-1, Lane 199, Rexin Road, Renwu District,
Kaohsiung City 81460, TAIWAN
Telephone/Fax: Tel: 886-7-3756058 Fax: 886-7-3756091
Website: www.fastfix-it.com

Product Description:

FX-PT30 is a two-component protect the electronic devices, conductivity potting material, flexible, flowable, industrial grade epoxy potting compound with extended work life.☐
Once mixed, the two-part epoxy cures at room temperature to form a rigid encapsulant that is non-corrosive to metallic components on electrical appliances fully cured epoxy provides excellent environmental and chemical resistance, and acts as an electrical insulator.

Uses:

Designed for bonding, potting and encapsulating electrical components
which are sensitive to corrosion and endure harsh operating conditions of electrical uses.

Recommended Application:
✓Electronic applications
✓Component attachment to boards
✓Housing assembly and potting.

Feature:

✓Flexible
✓Low viscosity
✓Temperature Resistance
✓Lower labor cost
✓Protect electronic devices and electrical industries operation

Technical Data:

*** For information only - not for specification purposes. ***

APPLICATION PROPERTIES	RESULTS
Color After Cure	Clear / Black
Mix Ratio	1:1 (A:B)
Mix viscosity@ 25℃, mPa.s(cP)	8000~12,000 cps
Flash Point (TCC), ℃	>93℃
Working Time @30 ℃	10~20 mins
Tack free time @38 ℃	30 mins
Full Cure time @ 30℃	24 hours
Temperature Limitations	
Continuous	120°C (250°F)
Intermittent	148°C (300°F)
TYPICAL PROPERTIES OF CURED MATERIAL	
Dielectric Strength	555 Volts/Mil
Shear Strength (steel to steel)	11 N/mm^2
Tensile Strength	6.67 N/mm^2
Compressive Strength	62.7 N/mm^2
Flexural Strength	1.66 N/mm^2
Hardness	60~65 Shore A
Glass Transition Temperature	60 °C
Chemical Resistance:	Acid, alkali and solvent resistance.

Storage condition & Shelf-Life:	24 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight.

Application Instructions:

Mixing: Part A : part B = 1 : 1 by volume

1. These products may be applied using a spatula, trowel, or suitable flow equipment.
2. Wipe surfaces clean of dust using an oil-free solvent such as acetone or isopropyl alcohol.
3. Wear gloves during application and avoid direct contact with skin. Do not use solvents to clean adhesive from skin or hands.
4. Remove the cap, attach the mixing nozzle, and install the cartridge into the dispenser.
Dispense a small amount first to ensure both sides are flowing freely.
For hand mixing, dispense the required amount of material and mix thoroughly until a uniform color is achieved.
5. Pour as needed into forms, molds, or encapsulation shells.
6. For maximum bond strength, apply the adhesive evenly to both surfaces to be joined.
7. Apply the adhesive to the substrates within 10 minutes. Larger quantities and/or higher temperatures will reduce this working time.
8. Keep parts from moving during curing. Contact pressure is necessary. Maximum shear strength is obtained with a 3–9 mil bond line.
9. Excess uncured adhesive can be cleaned up using ketone-type solvents.

Health and Safety Information:	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
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