



GLAZE PLUS

TECHNICAL DATA SHEET

PROFAST

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DESCRIPTION

PROFAST is a two component epoxy adhesive ideal for general purpose applications. This two component epoxy adhesive cure fast at room temperature and when fully cured, the epoxy is resistant to a wide range of chemicals and solvents, and acts as an excellent electrical insulator. It is used for epoxy casting and designed specifically for encapsulation and potting.

SPECIAL FEATURES

- Short pot life
- Clear appearance

APPLICATIONS

- Bonding plastic, metal, glass, wood, ceramic, rubber and masonry materials
- Potting in various electrical component and general purpose applications.

PROPERTIES

Technology	Epoxy
Components	2k - requires mixing
Mix ratio by weight Part A: Part B	1 : 1
Appearance	Clear
Cure	Room Temperature
Pot life at 25±2 °C (10 gm)	5 to 10 minutes
Total Cure time at 25±2 °C	24 Hrs.
Operating temperature	30 °C to 150°C

Applications	General purpose applications
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PROPERTIES OF UNCURED MATERIAL

Component (A)	
Color	Clear
Sp. Gravity@25±2°C	1.12
Viscosity, Brookfield @ 25°C	12500-20000
Spindle no. 5, Speed 20 r.p.m.	cP
Component (B)	
Color	Clear
Sp. Gravity @ 25±2°C	1.08
Tested after 24 Hrs@25±2°C	
Hardness, Durometer-Shore D, ASTM D 2240	80±3
Tensile Strength, ASTM D 897,	10-15
MS-MS	N/mm ²
Lap Shear Strength, ASTM D1002	10-15
MS-MS	N/mm ²

DIRECTION OF USE

- For best performance, clean substrates to remove dust, grease, oil etc.

FOR HAND USE

- To use, weighed separately epoxy resin (Part A) & Hardener (Part B) as per the specified quantity in the mixing ratio & mix to uniform consistency & apply.
- Mix small quantity at a time, so that the mixed material is consumed within a work life time.
- Higher temperature and large quantity will shorten work life time.

FOR USE OF CARTRIDGE WITH DISPENDING GUN

- Remove cap from tips. Affix static mixer.
- Insert cartridge into applicator gun.
- Pull trigger and epoxy will mix properly as it is dispensed.
- In case of lower temperature conditions, allow the material to reach between 27 to 33°C prior to application.

WORKING

- Working time and cure time depends on temperature and mass:
- The higher the temperature, the faster the cure.

- The larger the mass of the material mixed, the faster the cure.
- To speed the cure of epoxies at low temperatures:
 - Store epoxy at room temperature.
 - Pre-heat repair surface until warm to the touch.

To slow the cure of epoxies at high temperatures:

- Mix epoxy in small masses to prevent rapid curing.
- Cool resin/hardener component(s).

PAKAGING

PROFAST (A+B) is available 500gm, 1kg pack and 2kg pack.

STORAGE AND HANDLING

1. Product shall be ideally stored in a cool, dry location in unopened containers at $25\pm2^{\circ}\text{C}$ unless otherwise labeled. Optimal storage is at the lower half of this temperature range.
2. PROFAST Epoxy will exhibit a shelf life of 6 months from the date of manufacture when stored as mentioned above.
3. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact our Technical Service Centre.

TECHNICAL SUPPORT

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