



E350 STEEL EPOXY

1 – DESCRIPTION

Akfix E350 is a fast cure two-component adhesive based on epoxy. A rapid-curing, general-purpose adhesive / encapsulant. It forms a hard, rigid bond or coating in minutes.

2 – PROPERTIES

- Resistant to water, alkalis and diluted acid solutions.
- 5 minute feature time.
- 100% reactive, no solvents.
- No color change, cracking or shrinkage during hardening period.
- Over paintable, can be sandpapered and drilled.

3 - APPLICATIONS

Epoxy Adhesive;

- Cures fast for quick metal to metal bonding and repairs
- Pots and encapsulates electronic components and assemblies
- Seals against dust, dirt and contamination
- Fast-curing, thin set, bonding above 4°C
- Suitable for bonding metals, fabrics, ceramics, glass, wood and concrete (in combinations)

Epoxy Putty;

- Bonding and repairing of materials including aluminum, glass, ceramic, porcelain
- In sea vehicles, automobiles, caravans and water pipes
- Stopping the leakage of water, fuel and oil tanks
- Repairing of engine block cracks and closing up radiator holes
- Bonding of metal surfaces

4 - INSTRUCTIONS

Epoxy Adhesive

- The surfaces must be clean and free from dust and grease
- Dispense the components equally (1:1 ratio) and mix until a homogeny mixture is obtained.
- Apply adhesive to the both surfaces to be bonded as quickly as possible and adhere surfaces immediately.
- Cure time for epoxy is 5-10 minutes and 45 – 60 minutes for a full functional cure.

Epoxy Putty;

- Dispense the components equally (1:1 ratio) and mix until a homogeneous green color mixture is obtained.
- Color of the mixture should be green.
- Keep the assembled parts from moving during cure and fix for 45 – 60 minutes.



5- PACKAGING

Product	Volume	Package
Syringe Epoxy	28,4 gr	12
Epoxy Putty	57 gr	48

6- STORAGE AND SHELF LIFE

Epoxy adhesive has a shelf life of 24 months if stored in cool and dry areas in original pack.

7- SAFETY

- Uncured product can be removed with a suitable solvent.
- Irritating to eyes and skin.
- If in eyes, immediately flush eyes with plenty of water and consult doctor.
- Not suitable for plastic, Teflon and PVC .
- Keep away from children.

8- TECHNICAL PROPERTIES

Steel Epoxy Adhesive;

Mix ratio	:1 part - 1 part
Working time (23 °C, 50% R.H)	:5 min.
Hardening time (23 °C, 50% R.H)	:45 min.
Application temperature	:+5 °C to + 40 °C
Hardness shore A	:95 ± 5

Steel epoxy putty;

Mix ratio	:1 part - 1 part
Working time (23 °C, 50% R.H)	:5 min.
Hardening time (23 °C, 50% R.H)	:45 min.
Application temperature	:+5 °C to + 40 °C
Hardness shore A	:95 ± 5

Color;

Steel Epoxy Adhesive	: Black + White (Grey)
Steel Epoxy Putty	: Green+Dusty Rose

7 days cured at 24°C

Adhesive tensile shear ASTM D1002	9.7 N/mm ²
Operating temperature, dry	-50 - 125°C
Cured density, ASTM D792	1.50 g/cm ³
Cured hardness, ASTM D2240	90-95 D
Dielectric strength, ASTM D149	490 volts/mil