

# Preliminary Technical Data Sheet



## **Alchemix EP 4385 / H4385**

**(Iron Filled Epoxy Repair System)**

### **Product Description:**

Two-part iron reinforced slump resistant epoxy repair system

Mixing ratio (Resin: Hardener): 100 : 100 pbw

Appearance:

Resin: Metallic Grey Paste

Hardener: Metallic Black Thixotropic Paste

Mixed: Dark Steel Grey Paste

Density:

Resin: 2.10 – 2.30 g/cm<sup>3</sup>

Hardener: 2.30 – 2.50 g/cm<sup>3</sup>

Mixed: 2.20 – 2.40 g/cm<sup>3</sup>

Useable Life (25°C; 200 g mix): 60 minutes

Cure time (25°C): 6 – 12 Hours

Full strength (25°C): 24 Hours.

Shore Hardness (24 Hr @ 25°C): 85 – 90 Shore D

Tensile Strength: 70 – 75 MPa

Flexural strength: TBC

HDT: 100°C

Good adhesion to metal, stone, most plastics and other substrates.

### **Application:**

For optimum strength structural bonds, paint, oxide films, oils, dust, mould release agents and all other surface contaminants must be completely removed. However, the amount of surface preparation directly depends on the required bond strength.

Mix the two components in specified ratio and apply with in pot life, quantities higher than 200g may have shorter pot life. Mixed resin will be touch dry after approx 2 hour but handling strength requires at least 6 hours cure.