

## 106 Metal Repair Paste XF

**106 Metal Repair Paste XF** is a two component fast curing solvent free epoxy repair paste. The product has been designed for use on a wide range of metallic surfaces and is tolerant of less than ideal surface preparation and can even be applied underwater

The material can be used to make emergency repairs to worn surfaces, damaged pump shafts, cracked pump or valve casings, damaged flanges, leaking tank seams, cracked engine blocks as well as resurfacing and sealing underwater hulls, equipment and structures.



### **Main characteristics -**

- Two component
- Solvent free epoxy
- 1:1 mixing ratio by volume
- Usable life 5 minutes (20°C)
- Touch dry 45 minutes (20°C)
- Full Cure 90 minutes (20°C)
- 80 Rockwell R Hardness (Once fully cured)
- Applied by spatula or applicator tool
- Available in 200gm or 500gm pack sizes

### **Mechanical Properties –**

#### **Adhesion**

Tensile Shear to ASTM D1002      185kg/cm<sup>2</sup>      (2630psi)

#### **Compressive strength**

Tested to ASTM D 695      185kg/ cm<sup>2</sup>      (2630psi)

#### **Lap Shear**

Tested to ISO 4587      240kg/ cm<sup>2</sup>      (3400psi)

#### **Peel Strength**

Tested to ISO 4578      5N/mm<sup>2</sup>      (725psi)

#### **Heat Resistance**

Suitable for water immersion up to 60°C and intermittent contact with steam up to 100°. Dry heat resistance up to 110°C.



Leaking Chemical process pipes sealed using 106 Metal Repair Paste XF and a formed steel plate. The repair system is capable of resisting 300psi pressure once cured.



Holed ship hull repaired in sub-zero temperatures using 106 Metal Repair Paste XF and a formed steel plate