



# BELZONA® 1121

S U P E R X L - M E T A L

**The Machinable Belzona Metal System  
with Extended Working Life**

Belzona® 1121 is a two-component repair and rebuilding material with an extended working life that provides greater time for mixing and application. Based on a ceramic steel reinforced polymer system, it is designed for applications where accurate alignment or placement of large volumes of material is required.

It is ideally suited for general engineering needs in hot climates. Applications include the repair and reclamation of:

- oversized bearing/bush housings
- fractured and holed casings
- distorted flange faces
- leaking tanks
- scored machine beds
- fractured pipes
- undersized/scored shafts
- load bearing shims

Belzona® 1121 will allow you to:

- Simplify routine maintenance
- Reduce the need for spare parts
- Slash "down time"
- Keep production moving



REBUILD WORN SHAFTS



RESEAT BEARINGS



FORM LOAD BEARING SHIMS



REPAIR CORRODED PIPEWORK



REFORM DISTORTED FLANGES



BOND DOUBLER PLATES

## The Unconventional Alternative.

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BELZONA 1000 SERIES METALLIC POLYMERS

### **Simplicity in Use**

- No special tools or skills required. Easy application by spatula, specially designed applicator (included) or injection pistol.
- Simple 1:1 volume mixing ratio; mix just the right amount for the job.
- Long working life makes placement of large volumes of material easy.
- Ideal for general use in hot climates.



### **Safety in Use**

- No shrinkage, expansion or distortion during cure; and no stress or strain on repaired components.
- Excellent electrical insulation characteristics enables use with complete safety on dissimilar metals where bi-metallic corrosion is a problem.

### **Versatility in Application**

- Apply thin or thick sections in one operation. Will not slump at up to 1" (25 mm) sections. Stays where it is applied even on overhead surfaces.
- Extended cure time allows maneuvering and accurate alignment of equipment.
- Bonds tenaciously to almost any surface including steel, aluminum, copper, brass, stainless steel, fiberglass laminate, concrete, unglazed ceramics and glass.
- Moldable to precise contours.
- Machinable with conventional tipped tools.

### **Permanency in Service**

- High mechanical strength.
- Compressive strength (ASTM D695) typically 12,500 psi (800kgs/cm<sup>2</sup>).
- Flexural strength (ASTM D790) typically 8,200 psi (576kg/cm<sup>2</sup>).
- Outstanding resistance to a broad range of chemicals including inorganic acids, alkalis, hydrocarbons, mineral oils, oxidizing agents, vegetables and fats, alcohols, aqueous solutions and emulsions.
- Does not corrode.



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