

# Product Data

## Multi-Purpose, Machinable Repair & Rebuild Composite

Belzona® 1111 (Super Metal) is a two component repair composite based on a ceramic steel reinforced polymer system. This fully machinable Belzona® product provides a cost effective solution to a wide range of general engineering repairs.

### Belzona® 1111 (Super Metal) will:

- Simplify maintenance procedures
- Reduce the need for spare parts
- Cut downtime
- Improve safety by reducing hot work

Belzona® 1111 (Super Metal) can be applied without the need for specialist tools. It will bond to almost any surface and can be machined using conventional tools. This multipurpose repair composite will not corrode and is resistant to a wide range of chemicals.

## Belzona® 1111 Super Metal



In-situ Shaft Forming

Flange Rebuilding



Bearing Housing Rebuild

Gland Reforming

### Applications for Belzona® 1111 (Super Metal) include:

- Undersized/scored shafts
- Stripped threads
- Sloppy keyways
- Fractured and holed castings
- Scored machine beds
- Oversized bearing/bush housings
- Distorted flange faces
- Leaking tanks
- Scored hydraulic rams
- Fractured pipes

[www.belzona.com](http://www.belzona.com)

Belzona® provides the solution to your repair and maintenance needs.

  
**BELZONA**<sup>®</sup>  
Repair • Protect • Improve

# Belzona® 1111 (Super Metal) is:

## Simple

- Easily mixed and applied
- No special tools required
- Mix and use only what is needed

## Safe

- Low temperature cure ensures no fire risk
- Excellent electrical insulation characteristics
- Suitable for contact with potable water

## Versatile

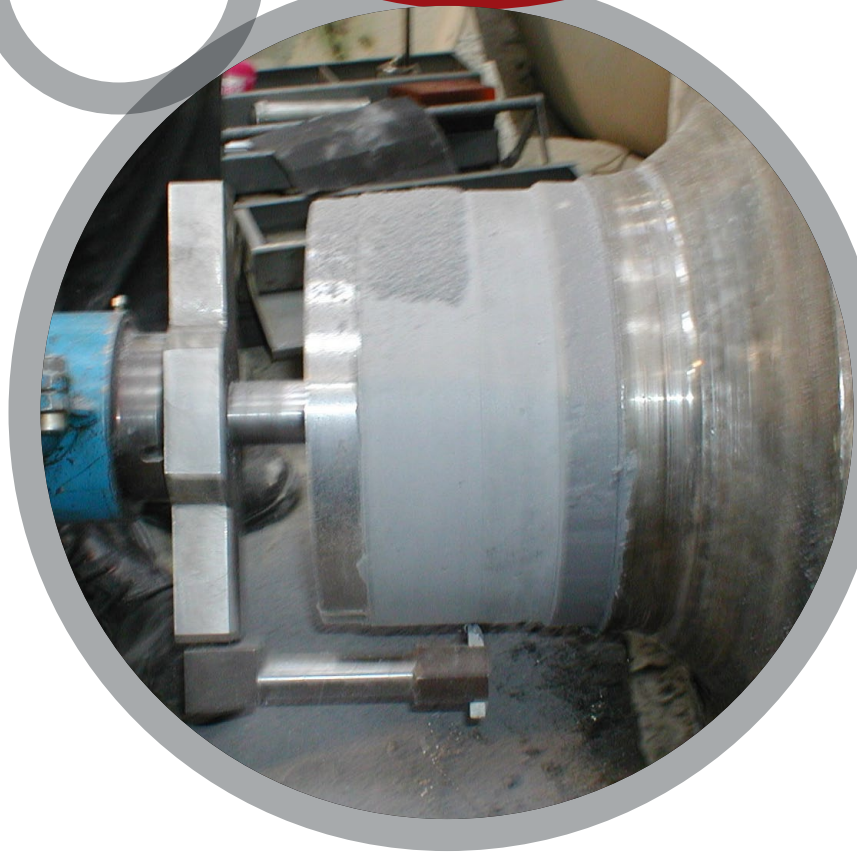
- Fully machinable with conventional tools
- Moulds to precise contours
- Apply thin or thick sections in one operation
- Bonds strongly to almost any substrate
- No shrinkage, expansion or distortion

## Effective

- High mechanical strength
- Exceptional heat resistance
- Does not corrode
- Outstanding chemical resistance

# Belzona® 1111

Super Metal



Shaft Rebuilding

For more information, please contact your local Belzona® representative:

### QUALITY PRODUCTS - TECHNICAL SUPPORT

The Belzona® product range is manufactured through stringent quality and environmental control guidelines complying with the internationally recognised requirements of **ISO 9001:2008** and **ISO 14001:2004**.

Belzona® has a global distribution network of over 140 Distributors operating in 120 countries. Local support is provided by a trained Technical Consultant who will diagnose the problem, recommend the solution and provide 24 hour on-site application supervision and advice.



Belzona products are manufactured under an ISO 9000 Registered Quality Management System

