

# 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 multi-purpose repair composite will not corrode and is resistant to a wide range of chemicals.

## Belzona® 1111

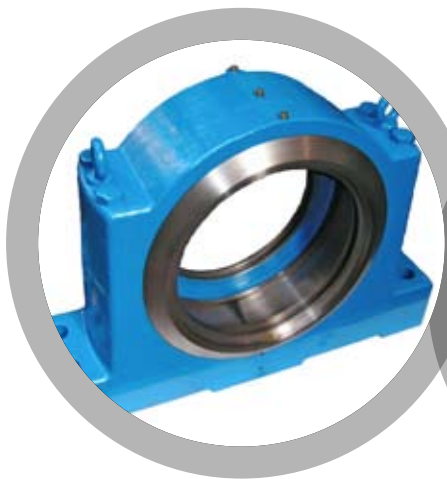
Super Metal



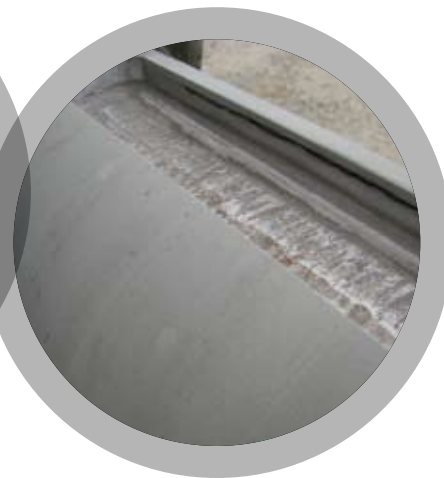
*In-situ* Shaft Forming



Flange Rebuilding



Bearing Housing Rebuild



Keyway Repair

### 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®**  
Repair • Protect • Improve

# Belzona® 1111 (Super Metal) is:

## Simple

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

## Safe

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

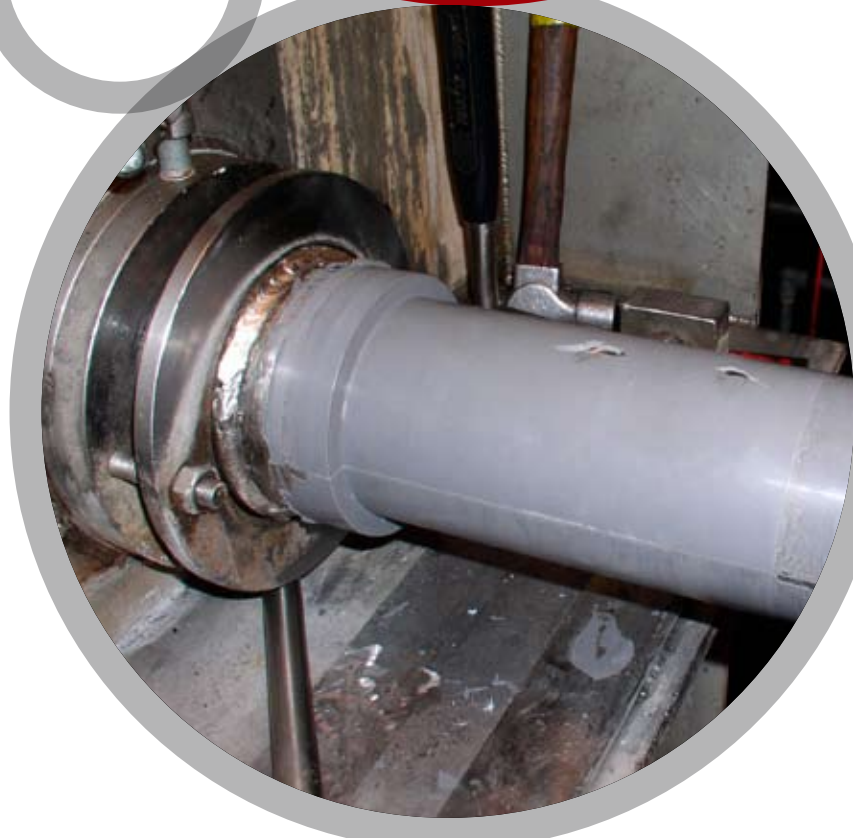
## Versatile

- Fully machinable with conventional tools
- Molds 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

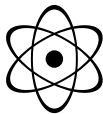
# Belzona® 1111 Super Metal



Shaft Rebuilding



Certificate No.  
95-HU9719-X



Nuclear Industry DBA  
Approval in accordance with  
ASTM D 3911

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 recognized requirements of **ISO 9001:2000** and **ISO 14001:2004**. Belzona has a global distribution network of over 140 Distributors operating in 120 countries. Local support is provided by trained Technical Consultants who will diagnose the problem, recommend the solution, and provide 24-hour on-site application supervision.

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ISO 9001:2000  
Q 09335  
ISO 14001:2004  
EMS 509612

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