

# Product Data

## Repair and Rebuild Composite for Erosion-Corrosion Damage

Belzona® 1311 (Ceramic R-Metal) is a two component repair composite for the rebuilding and protection of metal components damaged by erosion-corrosion.

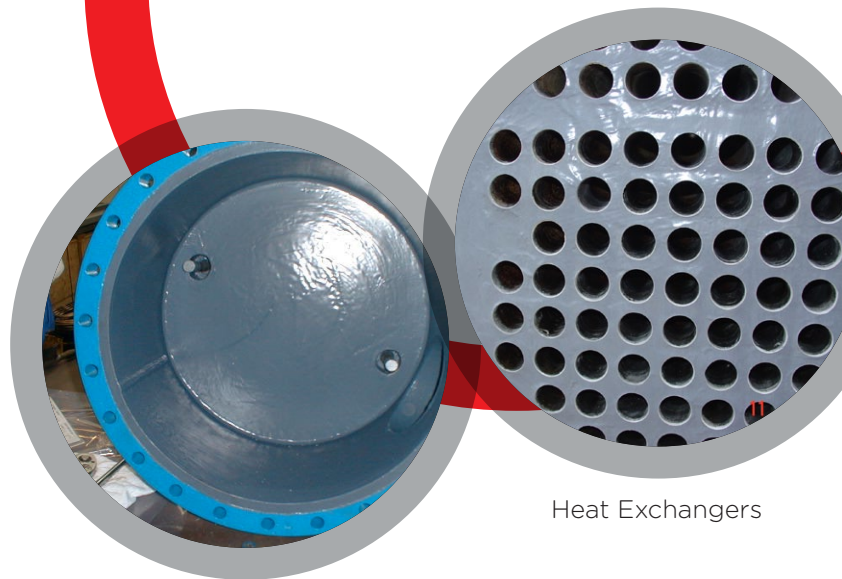
### Belzona® 1311 (Ceramic R-Metal) will:

- Simplify maintenance procedures
- Rebuild damaged equipment
- Protect against erosion-corrosion
- Minimise downtime
- Reduce the need for spare parts

Belzona® 1311 (Ceramic R-Metal) is a non-machinable grade repair composite that can easily be applied by hand to damaged metallic components. This composite can also be used as a strong structural adhesive for bonding or creating irregular shims.

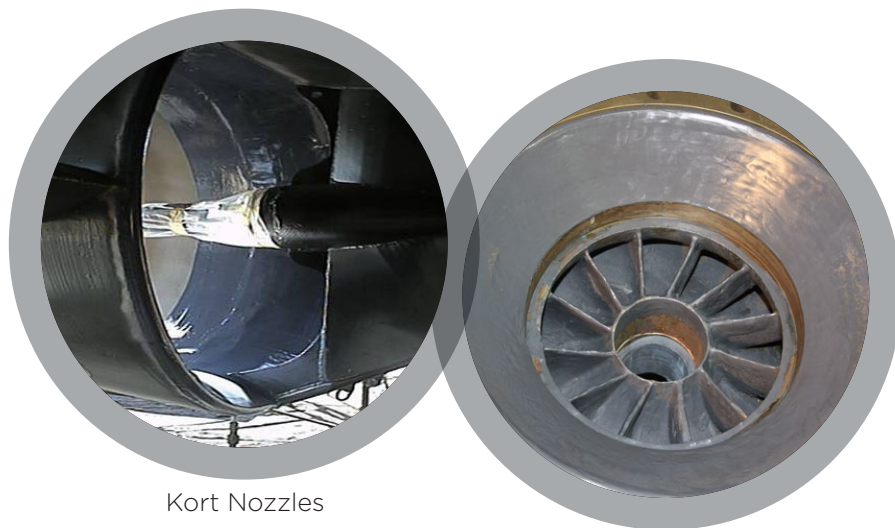
## Belzona® 1311

Ceramic R-Metal



Water Box End

Heat Exchangers



Kort Nozzles

Pumps

### Applications for Belzona® 1311 (Ceramic R-Metal) include:

- Propellers
- Butterfly valves
- Heat exchangers
- Pipe elbows
- Centrifugal and turbine pumps
- Water box ends
- Bow thrusters
- Kort nozzles
- Impellers
- Tail shafts
- Injectors

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

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

**BELZONA**  
Repair • Protect • Improve

# Belzona® 1311 (Ceramic R-Metal) is:

## Simple

- No specialist tools required
- Easy application by spatula
- Simple mixing ratio

## Safe

- Cold temperature cure ensures no fire risk
- Excellent electrical insulation characteristics
- Complete safety on dissimilar metals
- Improved safety by reducing the need for hot work

## Versatile

- Moulds to precise contours
- No shrinkage, expansion or distortion
- Apply thin or thick sections in one application

## Effective

- Outstanding erosion-corrosion resistance
- Excellent adhesion to all metallic substrates
- Resistant to a wide range of chemicals
- Does not corrode

# Belzona® 1311

Ceramic R-Metal



Pump Impellers

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

