

# 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.

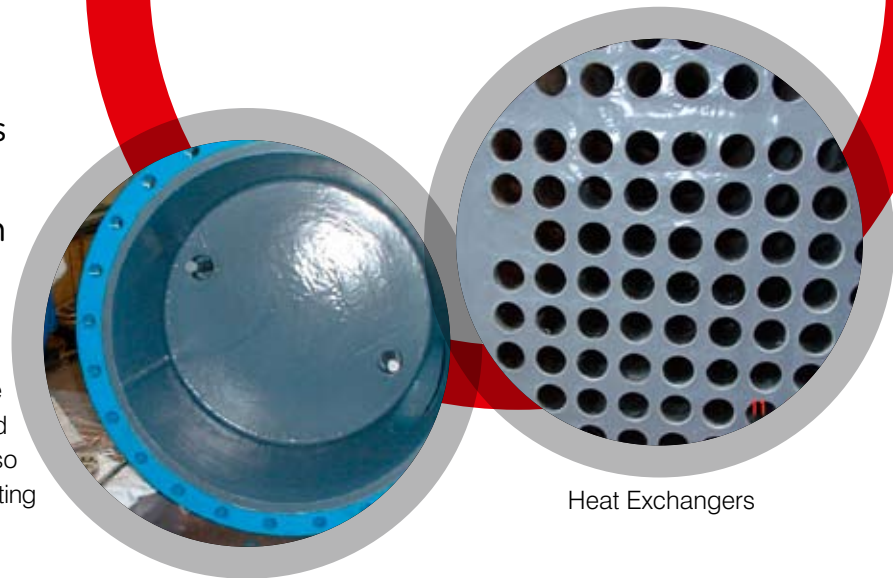
### Belzona® 1311 (Ceramic R-Metal) will:

- Simplify maintenance procedures
- Rebuild damaged equipment
- Protect against erosion-corrosion
- Minimize 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.

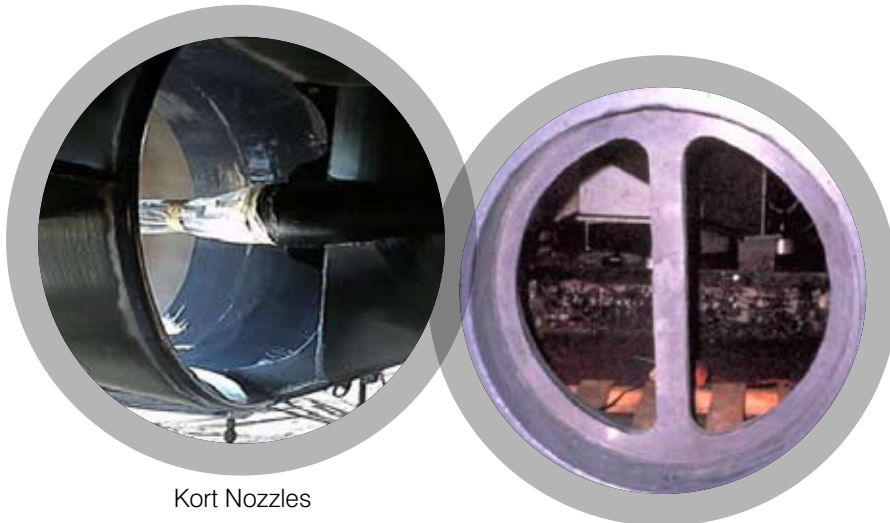
## Belzona® 1311

Ceramic R-Metal



Water Box End

Heat Exchangers



Kort Nozzles

Butterfly Valves

### 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

[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)

## Simple

- No special 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

- Molds 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

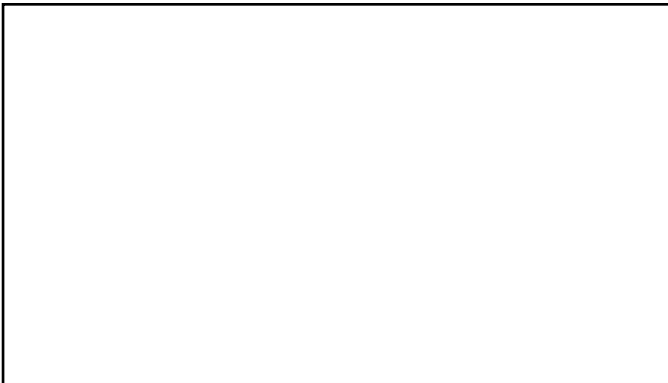


Injectors



Certificate No.  
95-HU9719-X

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

**Europe & Africa**  
Belzona Polymerics Ltd.  
Harrogate, UK  
t: +44 1423 567641  
f: +44 1423 505967  
e: [belzona@belzona.co.uk](mailto:belzona@belzona.co.uk)

**The Americas**  
Belzona Inc.  
Miami, FL USA  
t: +1 (305) 594-4994  
f: +1 (305) 599-1140  
e: [belzona@belzona.com](mailto:belzona@belzona.com)

**Asia & Oceania**  
Belzona Asia Pacific  
Chonburi, Thailand  
t: +66 38 378099  
f: +66 38 378098  
e: [belzona@belzona.cn](mailto:belzona@belzona.cn)

**China**  
Belzona Hong Kong  
Hong Kong, China  
t: +852 3101 7461  
f: +852 3101 7530  
e: [belzona@belzona.hk](mailto:belzona@belzona.hk)

  
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