

# Product Data

## Industrial Coating for Corrosion Protection at Elevated Temperatures

Belzona® 1591 (Ceramic XHT) is a two component high temperature coating system designed to resist water, hydrocarbons, aqueous solutions and pressurised steam up to a temperature of 180°C (356°F).

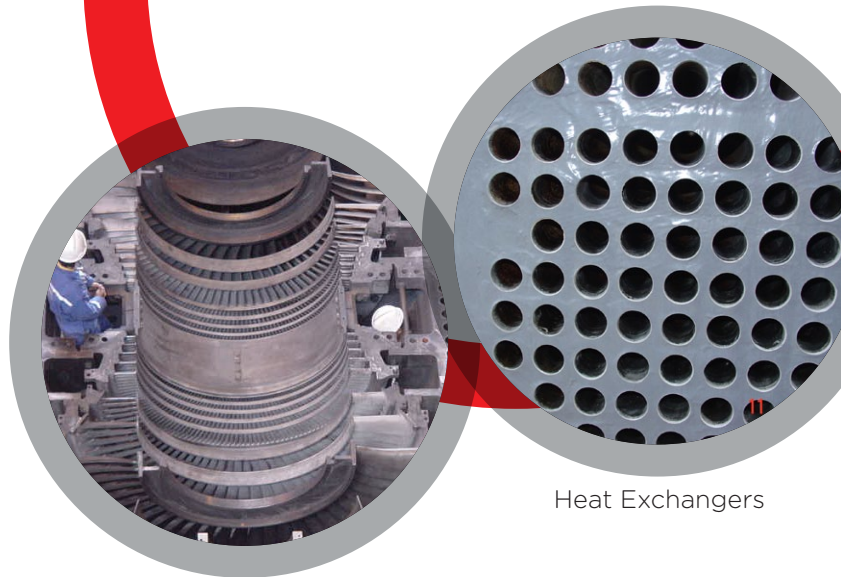
### Belzona® 1591 (Ceramic XHT) will:

- Simplify maintenance procedures
- Minimise downtime
- Provide excellent erosion-corrosion resistance
- Extend equipment life

Belzona® 1591 (Ceramic XHT) exhibits excellent erosion corrosion resistance at elevated temperatures, through a unique binary curing mechanism. This mechanism allows application and cure at ambient temperatures with additional higher temperature resistance being achieved in service through post curing.

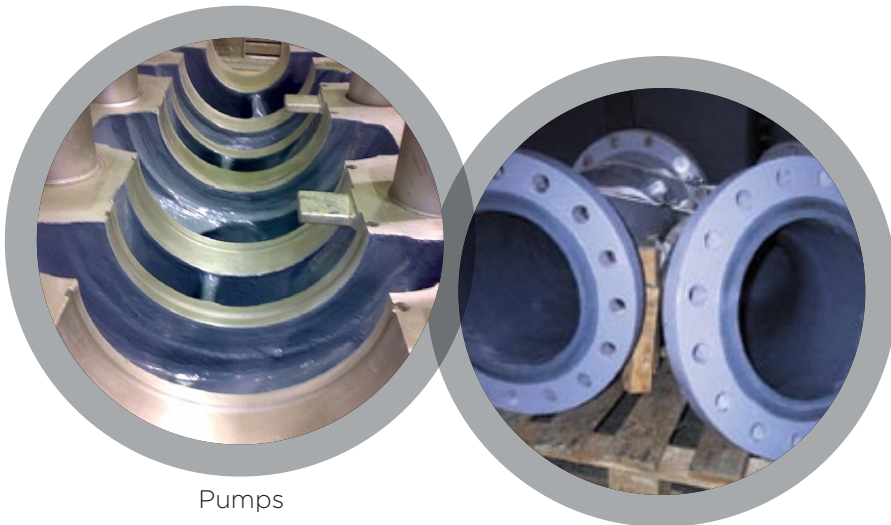
## Belzona® 1591

Ceramic XHT



Steam Turbine Casings

Heat Exchangers



Pumps

Isolation Spools

### Applications for Belzona® 1591 (Ceramic XHT) include:

- Separators
- Heat exchangers
- Knock-out drums
- Regenerators
- Pumps
- Absorbers
- Scrubbers
- Return tanks
- Steam turbine casings
- Distillation units
- Isolation spools

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

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

  
**BELZONA®**  
Repair • Protect • Improve

# Belzona® 1591 (Ceramic XHT) is:

## Simple

- Easily mixed and applied
- Allows in service curing
- Applied as a single coat system

## Safe

- Spark testable for pin-holes and coating defects
- Solvent free

## Versatile

- Bonds to a wide range of metallic substrates
- Adhesion maintained at elevated temperatures
- Suitable for use in pressurised water systems up to 180°C
- Accidental mechanical damage & application defects easily repaired

## Effective

- Resistant to thermal cycling
- Resistant to steam out process
- Excellent resistance to a wide range of chemicals
- Resistance to high pressures
- Corrosion protection in immersed conditions at temperatures in excess of 180°C (356°F)
- Ability to withstand rapid depressurisation
- Outstanding resistance to blistering

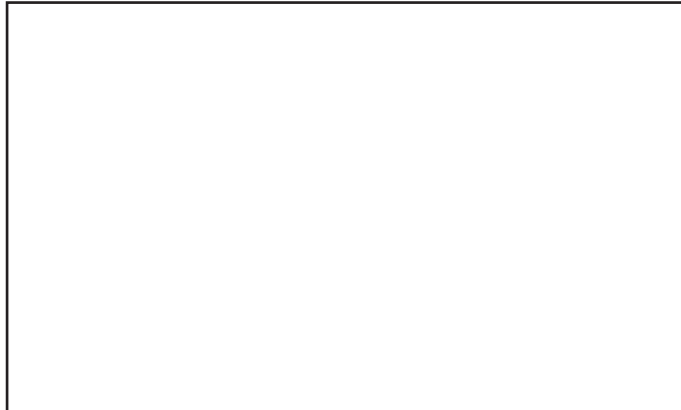
# Belzona® 1591

Ceramic XHT



Separators

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.



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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

