

# 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 pressurized steam up to a temperature of 356°F (180°C).

### Belzona® 1591 (Ceramic XHT) will:

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

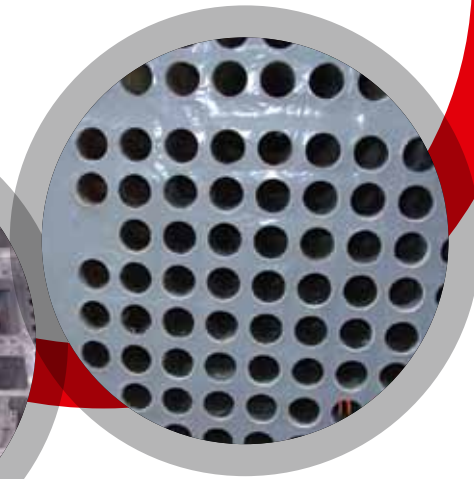
Belzona® 1591 (Ceramic XHT) exhibits excellent erosion-corrosion resistance at elevated temperatures, through a unique binary curing mechanism. This mechanism allows application and cure at ambient temperatures with additional higher temperature resistance being achieved in service through post curing.

## Belzona® 1591

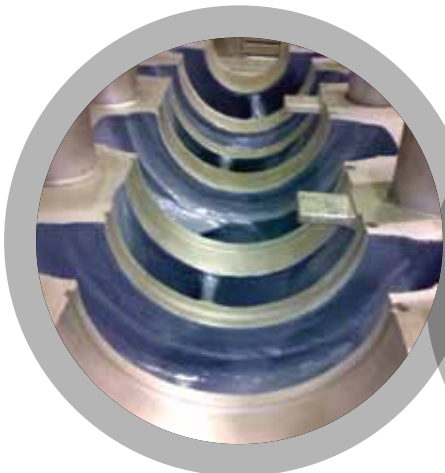
Ceramic XHT



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

# Belzona® 1591 (Ceramic XHT) is:

# Belzona® 1591

Ceramic XHT

## Simple

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

## Safe

- Spark testable for pinholes and coating defects
- Solvent free

## Versatile

- Bonds to a wide range of metallic substrates
- Adhesion maintained at elevated temperatures
- Suitable for use in pressurized water systems up to 356°F (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 around 356°F (180°C)
- Ability to withstand rapid depressurization
- Outstanding resistance to blistering



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 recognized 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 trained Technical Consultants who will diagnose the problem, recommend the solution, and provide 24-hour on-site application supervision.

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Q 09335  
ISO 14001:2004  
EMS 509612

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